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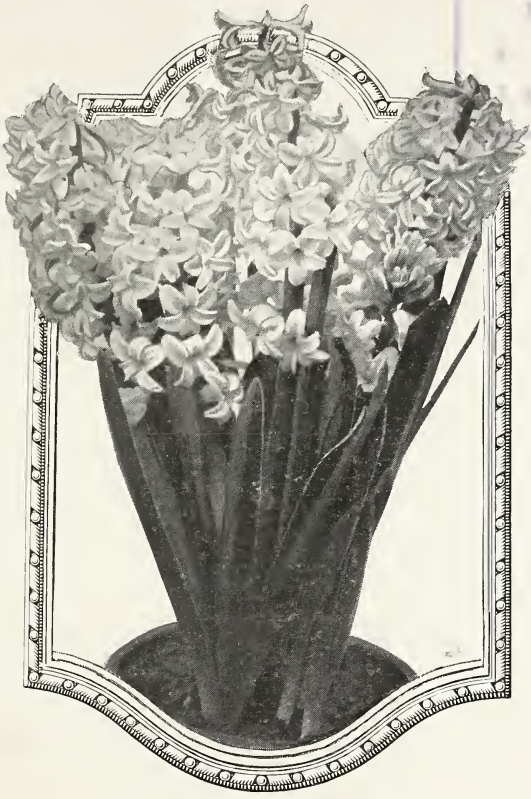


THORBURN'S BULBS

1919

J. M. THORBURN & COMPANY
FOUNDED 1802
53 BARCLAY ST. through to 54 PARK PLACE
NEW YORK

BULBS
AND
SEEDS

A BOOK OF EXCEPTIONAL VALUE TO GARDENERS SEEKING A SUPERIOR ASSORTMENT OF SELECTED AND TESTED BULBS, FLOWERING ROOTS AND SEEDS FOR FALL PLANTING.

SEASON 1919

J. M. THORBURN & CO.

FOUNDED 1802

53 BARCLAY STREET

through to

54 PARK PLACE

NEW YORK

Important Information

IN this, our Annual Catalog of Bulbs, Seeds, etc., for Fall Planting, customers and friends of the house of THORBURN will find an assortment of choice products worthy of especial consideration.

Though the ruling of the Federal Horticultural Board (Quarantine No. 37) has prohibited the importing of many Bulbs, our 1919 line offers a wide variety—all of the highest quality. We are confident your selection from this line will leave nothing to be desired.

However, should you desire any varieties not shown, send us a list of your requirements, and we will gladly procure them for you, should the embargo on importations be removed.

Bulbs may be grown indoors in the winter months, when flowers are most appreciated. By successive plantings a constant supply of blooms can be had from December until May. The finest outdoor displays of the early Spring months are also from bulbs planted in the Autumn. The cultural directions found under the respective headings are worthy of careful attention.

Our bulbs are all SELECTED FIRST SIZE TOP ROOTS, coming from the best growers, and should not be confounded with the cheap "case" bulbs sent to this country on speculation, and often sold at auction and otherwise, at very low prices.

NAME AND ADDRESS. *We often receive orders with either the name or the address of the sender omitted. As we can do nothing with such orders, the customer thinks his order is being neglected. We therefore beg our correspondents to be careful to write on each order their name and full address.*

ORDERS should be sent as soon as possible after receipt of this catalogue. *The bulbs will be shipped in proper time for planting. They are ready from August to November, according to the time of ripening and the country from which they come.* Orders received earliest are sure of being filled in full. If left too late, the supply of some of the varieties may be exhausted, the supply of Holland Bulbs being short this season.

Prices, as will be seen upon comparison with others, are as low as Highest Grade Bulbs

can be sold at, and do not include transportation.

We indicate under each heading of the various Bulbs the mailing weight when packed, so that if wanted by parcel post, our Customers can determine the amount required to be added for postage according to Zone rate, as per table below.

The weights given are those taken from our stock last year, and may vary in some instances; should there be any difference in weight when orders are filled, the postage will be adjusted, and any amounts overremitted will be returned.

Large packages can be sent by express, in most cases, cheaper than by mail.

PARCEL-POST ZONE RATES
Within the United States

Zone	Within	1st. lb. or fraction	Additional lb. or fraction
1st.	50 miles of N. Y. City.....	5c	1c
2d.	50 to 150 miles of N. Y. City...	5c	1c
3d.	150 to 300 miles of N. Y. City..	6c	2c
4th.	300 to 600 miles of N. Y. City..	7c	4c
5th.	600 to 1,000 miles of N. Y. City	8c	6c
6th.	1,000 to 1,400 miles of N. Y. City.....	9c	8c
7th.	1,400 to 1,800 miles of N. Y. City.....	11c	10c
8th.	1,800 and over miles of N. Y. City.....	12c	12c

Maximum weight, 70 lbs. to 1st, 2nd and 3d zones, and 50 lbs. from the 4th zone upward.

Postage on packages under 8 ounces, 1c. for each 2 ounces or fraction; above 8 ounces, Zone rates apply.

Postage to Canada, 12c per pound or fraction, maximum weight, 4 pounds, 6 ounces.

J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

Please address all orders and remittances to

J. M. THORBURN & CO.

Founded 1802

53 Barclay Street through to 54 Park Place

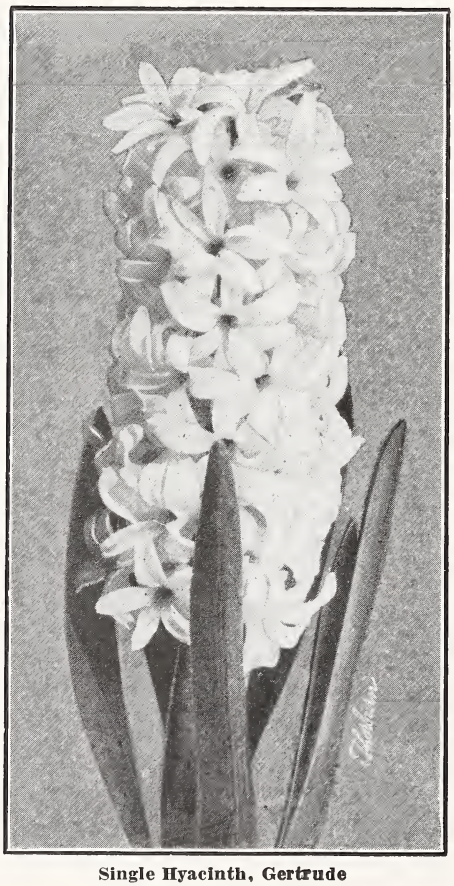
NEW YORK

HYACINTHS

If to be sent by mail, add postage at zone rates.

THE HYACINTH is one of the most popular and beautiful spring flowering plants for indoor and outdoor decoration. By careful management in keeping up a succession, it may be had in flower from the beginning of winter to the end of May. For a spring display in the open ground it is unexcelled. Brilliant effects can be obtained by massing different colors in varieties that grow about the same height, and bloom at the same time. We furnish very large numbers for this purpose to public parks and cemeteries, and we shall be pleased to recommend to anyone suitable sorts, when desired.

OUTSIDE CULTURE. In this section, October is the month to plant Hyacinths outside. They succeed best in a light soil and a sunny situation. If the soil is naturally heavy, some sand should be mixed with it, and if the beds have been occupied with other plants throughout the summer, some well-rooted cow manure should be added. The soil should be well dug to a depth of 14 inches, and raised from 2 to 4 inches above the level of the walk. The bulbs should be planted evenly, about 6 inches deep to the bottom of the bulb, and from 6 to 7 inches apart; if planted at uneven depths they will not bloom at the same time, but irregularly.



Single Hyacinth, Gertrude

Care must be taken not to press the earth too firmly around and over the bulbs. Some successful gardeners follow the plan of setting each bulb in a handful of clean sand, which insures proper drainage. After the ground has been frozen in early winter, cover with a few inches of dry litter, evergreen boughs or coarse manure. If this covering be applied before freezing weather, it renders the bulbs liable to the predations of field-mice which may burrow into it.

CULTURE IN POTS. For growing in pots, large, selected, named varieties should be used. They should be potted singly in 5-inch or 6-inch pots. Three bulbs in a 7-inch pot are very effective. The best potting compost is fibrous loam and manure in about equal parts, with some river sand intermixed. The pots should be filled lightly, and the bulb pressed into the soil so that its base is firmly fixed. About one-third of the bulb should remain above the soil. The pots should then be buried in the open ground to the depth of 6 inches, and left there for five or six weeks, until they are well filled with roots. They may then be taken into the house where the warmth will soon bring them into flower. Where succession is desired, it is best to pot at intervals from September to the end of November. Plenty of water should be applied, and manure-water is beneficial after the flower-spikes appear.

CULTURE IN GLASSES. Single varieties are better adapted for culture in glasses than double ones. The bulb should be placed so that the base is just in contact with the water. Soft rainwater should be used, and a little charcoal might be placed in it to keep it pure. The glasses should be kept in a cool, dark closet for ten or twelve days, until roots are formed, and then exposed to the light and air as much as possible. Do not place them near gaslight. In very cold weather the glasses should be removed from the window, as the bulbs cannot stand frost. The water should never be allowed to freeze, and it should be changed every two or three days.

Customers unacquainted with the different varieties will do well to leave the selection to us, only specifying in their order whether bulbs are wanted for pot, glass or garden culture.

We invite special attention to the assortment of Named Hyacinths of our selection offered on page 5, and to the Hyacinth Glasses which are quoted at the end of the catalogue.

The names of our Hyacinths and Tulips quoted at the end of the catalogue are those given to them by the originators in Holland, and they are not sold under fancy names manufactured in this country.

SELECT NAMED DUTCH HYACINTHS

N. B. Our Select Named Hyacinths are the cream of the Holland nurseries—and are called TOP-ROOTS—under their original

names. **For forcing in pots or for outdoor beds they far surpass the class of Bulbs usually sold.**

The single-flowered varieties are generally more effective and better for forcing than the double ones. They also, as a rule, succeed better in glasses.

The double varieties that do well for forcing in water are distinguished by two asterisks (**).

All varieties indicated in heavy faced type have ranked first at exhibitions abroad, producing large and many blooms.

PRICE, each, 25c; per 10, $1.75; per 100, $15.00.

Not less than five of one kind sold at the ten rate; or 25 of any one kind at the 100 rate.

If to be sent by mail, add postage at zone rates—weight, 3 pounds per 10.

Single bulbs mailed free.

NAMED SINGLE RED, CRIMSON AND PINK HYACINTHS

Cardinal Wiseman, bright rose, fine broad spike.
Gertrude, bright pink, fine compact spike, one of the best for all in-or out-of-doors.
LA VICTOIRE, deep scarlet red, fine spike, good exhibition variety.
Lady Derby, bright rose-pink, very large spike, fine for pots.
Moreno, deep rosy pink, large broad spike.
Robert Steiger, fine deep crimson.

NAMED DOUBLE RED, CRIMSON AND PINK HYACINTHS

Bouquet Royal, rose, dark center, large spike.
President Roosevelt, deep rose, fine bulb, large compact spike.

NAMED SINGLE BLUSH AND PURE WHITE HYACINTHS

ALBERTINE, pure white, early, fine forcer.
GRANDEUR, A MERVEILLE, rosy white, large well-formed spike.
LA GRANDESSE, pure white, extra, fine exhibition sort.

NAMED DOUBLE BLUSH AND PURE WHITE HYACINTHS

BOUQUET ROYAL, pure white, large spike.
****Isabella,** blush white, splendid spike.

NAMED SINGLE BLUE HYACINTHS

GRAND MAITRE, large truss, deep porcelain-blue, extra fine.
KING OF THE BLUES, dark blue, extra large spike.
QUEEN OF THE BLUES, pale azure blue, fine large spike.

NAMED DOUBLE BLUE HYACINTHS

****BLOKSBERG,** light blue, large spike.
****General Kohler,** bright blue, large spike.

NAMED SINGLE LILAC AND MAUVE HYACINTHS

LORD BALFOUR, purple, large spike.
Mauve Queen, purple, fine truss.

NAMED SINGLE YELLOW AND ORANGE HYACINTHS

KING OF THE YELLOWS, bright yellow, handsomely compact spike.
YELLOW HAMMER, golden yellow, good spike, early.

NAMED DOUBLE YELLOW AND ORANGE HYACINTHS

****Goethe,** pale yellow, good spike.
Bouquet d'Orange, reddish orange, good spike.

COLLECTION OF DUTCH HYACINTHS, OUR SELECTION

Postage extra. Mailing weight, 3 pounds.

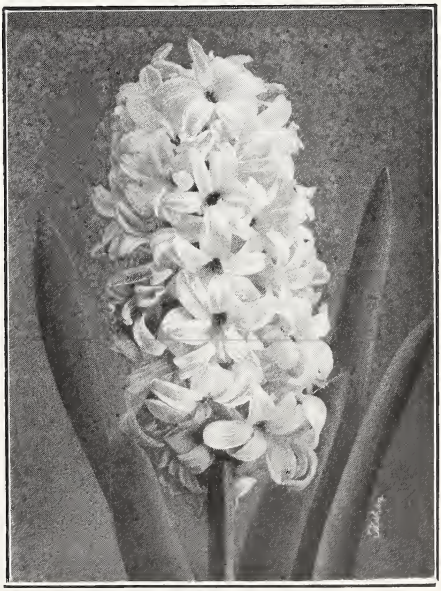
No. 1. **10 Named Hyacinths,** for house culture in pots and glasses, each collection, $1.60.

MIXED DUTCH HYACINTHS, IN SEPARATE COLORS, EXTRA QUALITY

Largest bulbs. Suitable either for forcing or bedding.

If to be sent by mail, add postage at zone rates—2 pounds, 10; 16 pounds, 100.

Our Mixed Hyacinths should not be confounded with the small-sized, low-priced



Single Hyacinth, Albertine

Roman Hyacinth

MIXED HYACINTHS—Continued

mixtures often sold. Our bulbs are all of the largest size, 15 to 16 c.m. Being furnished in so many separate colors, splendid bedding effects may be produced with them. They are also admirably adapted for forcing in the greenhouse for winter cut-flowers.

NOT LESS THAN 50 OF A COLOR AT 100 RATE	10	100
Single Dark Red	$0 90	$8 00
Single Rose and Pink. All shades		
Single Red. All shades		
Single Pure White		
Single Blush-White		
Single White. All shades		
Single Dark Blue		
Single Light Blue		
Single Blue. All shades		
Single Yellow. All shades		
Single MIXED COLORS		
Double Dark Red		
Double Rose and Pink. All shades		
Double Red. All shades		
Double Pure White		
Double Blush-White		
Double White. All shades		
Double Dark Blue		
Double Light Blue		
Double Blue. All shades		
Double Yellow. All shades		
Double MIXED COLORS		

FRENCH ROMAN HYACINTHS

Mailing weight, 2 pounds per 10.

Extensively used by florists for forcing for cut-flowers. For this purpose they are the best and most popular of bulbs. The flowers are delightfully fragrant, and each bulb will throw up from three to four spikes. For forcing, three or four bulbs are generally planted in a suitable pot, in good soil (as recommended for other varieties). The pots must be kept in a cool and dark place until they fill with roots, when the flower-spikes can be rapidly developed by exposure to light and moderate heat. They are very easily grown and extremely early, and by making successive plantings they may be had in flower all through the winter.

ROMAN HYACINTHS—Continued

	Each	10	100
Pure White. Largest size. If obtainable. At time of going to press it is doubtful if we shall get any this season	$0.20	$1.75	$15.00

TULIPS

If to be sent by mail, add postage at zone rates.

For beauty of form and brilliancy of coloring, Tulips are unequaled. For bedding they are the most popular and effective of all hardy bulbous plants. In order to assist our customers in selecting varieties of tulips for beds in borders, etc., we give herewith a list of the most popular varieties, in Early, and Late sorts. The height of stem is indicated as "tall" and "medium." The varieties indicated in heavy faced type are choice and are highly recommended. The most gorgeous effects can be produced by harmonious massing of contrasting colors. For pot culture and forcing for winter cut-flowers they are also invaluable.

CULTURE. The cultural direction given for hyacinths, on page 3, are equally applicable to Tulips, except that the bulbs, being smaller, must not be planted quite so deep. Four inches to the bottom of the bulb is deep enough, and a distance of 5 or 6 inches between the bulbs is sufficient. A little sand around each bulb is generally recommended, but in light, sandy soil this may be dispensed with. To obtain the best results it is desirable that they should not be planted in ground where Tulips were grown the previous year. We recommend **early planting** so that the bulbs may obtain a good root growth before the frost sets in. For pot culture, a compost of two parts loam to one part light manure, with some sand intermixed, is suitable. From three to five bulbs, according to size, in a 5-inch pot, are very effective. The pots should be buried until the bulbs are well rooted, in the manner recommended for hyacinths. Most of the varieties named below are equally well adapted for pot culture or the open ground.

SINGLE EARLY TULIPS

Not less than five of a kind sold, unless otherwise specified; 50 of a kind at 100 rate.

If to be sent by mail, add postage at zone rates—2 pounds, 10; 9 pounds 100.

A and B indicates seasons of flowering. A and B may be planted to flower about the same time in the open ground; B being a trifle later.

		10	100	1000
A	**Belle Alliance** (Waterloo). Rich scarlet, medium. Fine forcer or bedder	$0 55	$5 00	$48 00
B	**Brutus.** Red and orange; medium	50	4 50	42 00
A	**Chrysolora.** Splendid; pure yellow; medium. Good forcer or bedder	55	5 00	48 00
B	**Cottage Maid.** Beautiful rose, flushed white; medium. For forcing or bedding	50	4 50	42 00
A	**Crimson King** (Roi Cramoisi). Bright crimson; fine; medium	50	4 50	42 00
A	**Jenny.** Deep cherry; fine shape; medium	80	7 50	
B	**Keizerkroon.** Crimson, Yellow border, tall, fine forcer or bedder	45	4 00	
A	**LADY BOREEL,** purest white, large flower, a grand tulip for exhibition, finest white for bedding; tall	60	5 50	
A	**La Reine.** Rosy white; medium. Fine forcer	60	5 50	
B	**LA GRANDEUR.** Bright scarlet; tall; one of the most beautiful Tulips	70	6 50	60 00
A	**L'Immaculee.** Pure white; medium. Very fine forcer; early	50	4 50	42 00
B	**PINK BEAUTY.** Deep glowing rose, with white flush outside; very handsome; medium	90	8 50	
A	**PROSPERITY.** Delicate rose-pink; medium.	65	6 00	
B	**RISING SUN.** Large flower on tall stem. Color deep golden yellow. Tall, each, 30 cts	2 50		
B	**Rose Gris - de - Lin.** Delicate rose, flushed white, medium. Fine forcer and bedder	50	4 50	
A	**SIR THOMAS LIPTON,** extra brilliant scarlet, a very fine new variety, fine for forcing or bedding; tall	60	5 50	
A	**White Hawk.** Large; pure white; medium. Fine for forcing	55	5 00	
	MIXED EARLY SINGLE, Thorburn's Special Mixture. Extra choice	40	3 50	30 00

SINGLE LATE FLOWERING and COTTAGE TULIPS

50 of a kind at 100 rate.

If to be sent by mail, add postage at zone rates—2 pounds 10; 9 pounds 100.

These are all tall-growing May-flowering Tulips with very large, most brilliantly colored flowers of perfect form. They will be found invaluable for garden work. Splendid for cutting rather than for design bedding.

Single Early Tulip, Pink Beauty

	10	100
Bouton d'Or (Ida). Pure deep yellow; very beautiful; fine for cutting	$0.35	$2.75
Bridesmaid (Maid of Holland) Cherry-rose, flaked white	35	3 25
Gesneriana major. Scarlet with blue base; effective in beds; fine for cutting	40	3 50
INGLESCOMBE PINK. Delicate rose-pink	35	3 00
INGLESCOMBE SCARLET. Intense scarlet, black base	40	3 50
INGLESCOMBE YELLOW. Large globular flowers, glossy canary-yellow. Very handsome, known as the "Yellow Darwin" Tulip; fine for borders and for cutting	35	3 25
Isabella (Blushing Bride, or Shandon Bells). Cream, turning carmine rose; fine late sort	35	2 75
MOONLIGHT. Large, pale yellow, elongated flower; fine for any outdoor purpose and for late pot culture	60	5 50
Picotee (Maiden's Blush). White with rose edge	35	2 75
Sweet Nancy. White, edged rose.	35	3 25
MIXED SINGLE LATE. A fine mixture, per 1,000, $20	25	2 25

DOUBLE TULIPS

50 at 100 rate.

If to be sent by mail, add postage at zone rates—1 pound 10; 5 pounds 100.

The Double Tulips come into bloom a little

Murillo

DOUBLE TULIPS—Continued

later than the single varieties. They are splendid for bedding, and the flowers last longer in bloom than the single ones. Some sorts are quite dwarf. Comparative earliness of flowering is indicated by the letters A, B, C. "Medium" and "tall" indicate relative height.

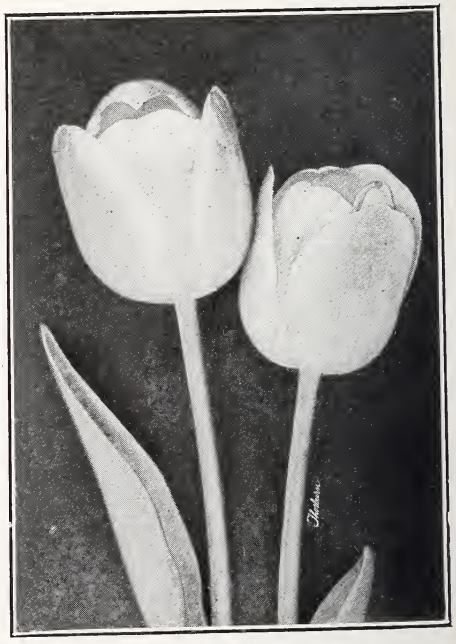
		10	100
A	**BOULE DE NEIGE.** Large pure white, fine double flower; medium	$0 40	$3 50
A	**Couronne d'Or.** Beautiful orange-yellow; large, handsome flower; medium. Fine forcer	70	6 50
B	**Duke of York.** Violet, white border; tall	40	3 50
B	**Gloria Solis.** Scarlet red, yellow bordered	45	4 00
A	**HARLEQUIN.** Pink-feathered carmine, medium	80	7 50
B	**Imperator rubrorum.** Rich crimson-scarlet; early; tall. Fine forcer	70	6 75
B	**La Grandesse.** Deep rose	40	3 75
A	**Murillo.** Blush-white ;medium. Fine for forcing; early	50	4 50
B	**Rubra maxima.** Deep red; splendid flower; medium. Early forcer	55	5 00
A	**Tournesol.** Red, yellow edge, earliest; medium	75	7 00
A	**Tournesol.** Yellow. Orange-shaded; very early	65	6 00
C	**Yellow Rose.** Pure golden yellow; late-flowering; sweet-scented; tall	40	3 75
	MIXED DOUBLE, Thorburn's Special Mixture, per 1000, $30.	35	3 25

DARWIN TULIPS

If to be sent by mail, add postage at zone ates—1 pound 10; 6 pounds 100.

Too much cannot be said in praise of this class of Tulip and now that the prices have become moderate, everyone should have them. They excel in brilliancy of color, perfect form of flower, tall, strong stems, splendid for cutting, planted in groups amongst shrubs, and in the perennial border they cannot be surpassed; they are all single and self-colored.

	10	100
CLARA BUTT. Beautiful salmon-rose. Good forcer	$0 35	$3 00
Donders. Dark blood red, blue black and white center	35	3 00
DREAM. Beautiful lilac	55	5 00
EDMEE. Deep cherry rose, Silvery pink edges, beautiful	55	5 00
Edouard Andre. Outside purple, inside mauve	50	4 50
ERGUSTE. Dark heliotrope, inside violet, white base, very fine.	45	3 75
Flamingo, delicate rose, pointed flower. One of the finest Darwins	90	8 50
Gretchen. (Margaret) Blush white; good forcer	40	3 50
Kate Greenaway. White and lilac	40	3 50
LA TULIPE NOIRE. The finest black tulip, large flower with a velvety sheen; fine form	60	5 25
Loveliness. Rosy carmine	35	3 00
Mr. Farncombe Sanders. Scarlet and white	55	5 00
MRS. KRELAGE. Rose pink, tinted lilac; large flower	50	4 50
MRS. POTTER PALMER. Glowing purple	45	4 00
Nora Ware. Heliotrope; very fine.	40	3 50



Clara Butt

Pride of Harlem. Old-rose; large flower..... 50 4 50
Queen of Roses. Rose; shaded blush; extra..... 45 3 75
Rev. Ewbank. Heliotrope lilac, with paler edge..... 45 4 00
Salmon King. Fiery salmon; one of the brightest shades..... 40 3 50
SUZON. Large buff rose, deeper shade inside, blue base..... 50 4 50
The Sultan. Glossy maroon-black..... 35 3 00
White Queen. White passing to pink..... 40 3 50
W. COPELAND. (Sweet Lavender.) The **best Early forcing Darwin Tulip.** When forced color is a delicate lavender, not recommended for outdoors, color in the open is rosy lilac..... 1 10 10 00
ZULU. Dark purplish black; fine for borders..... 90 8 00
MIXED DARWINS. Self colored. Per 1000, $28..... 35 3 00

MIXED TULIPS

Not less than fifty of a kind at 100 rate. (Mailing weight, 1 pound 10; 8 pounds 100.)

For bedding. Planted in large masses, these make a magnificent show, and, being inexpensive, should be largely used. Our special mixtures of Early Single and Early Double Tulips are made up of the finest bulbs and the brightest colors. If planted in large beds, they will produce an exceedingly beautiful and lively effect.

	10	100	1000
Fine Mixed **EARLY SINGLE Thorburn's Special Mixture.** Extra choice.....	$0 40	$3 50	$30 00
Fine Mixed **DOUBLE Thorburn's Special Mixture.** Extra choice.....	35	3 25	30 00
Fine Mixed **DARWIN.** Single; late; self-colored. Thorburn's special mixture.....	35	3 00	28 00
Fine Mixed **SINGLE; late,** May-flowering. Thorburn's Special Mixture...	25	2 25	20 00

CHOICE COLLECTIONS OF TULIPS

Our Selection

Mailing weight, 1 pound 10; 8 pounds 100.

No. 1. **10 Named Early Single Tulips.** In 10 varieties, for house culture or bedding..... $0 55
No. 2. **25 Named Tulips,** in 10 varieties. 1 25
No. 3. **50 Named Tulips,** in 10 varieties. 2 40
No. 4. **100 Named Tulips,** in 10 varieties. 4 00

NARCISSUS

Narcissus are ready for delivery in September.

Narcissus are among the most popular and largely grown of spring-flowering bulbs, and deservedly, too. Their exquisite grace, beauty and charm of habit have been immortalized in the poetry of all times. No garden should be without them.

Grandis Narcissus

They are all of the easiest cultivation, thriving in almost any soil and situation, and they may be left alone for several years after once being planted. They do best, however, in a deep and somewhat stiff soil, and in a partially shaded position. They are well adapted for planting by the sides of streams, lakes or ponds, and in mixed flower—or shrubbery—borders. They are also suitable for naturalizing in the grass, by the side of woodland walks, or in open spaces between trees and shrubs.

For growing in pots they require about the same treatment as hyacinths, three or four bulbs in a 5-inch pot. Some of the varieties are grown in large numbers by florists for winter cut-flowers. With the exception of the Polyanthus section, they are all perfectly hardy.

SINGLE NARCISSUS, or DAFFODILS

All largest size bulbs.

If to be sent by mail, add postage of zone rates as per weights indicated.

Large Crown, or Trumpet Narcissus

The varieties belonging to this division have trumpets or crowns that are as long as, or longer than, the perianth segments.

Bicolor

	10	100
Empress. One of the largest and most beautiful; white perianth and rich golden yellow trumpet. An excellent forcer, largest Mother Bulbs... 3 pounds, 10..	75	6 50
Grandis. White perianth, yellow trumpet; later than Empress, 2 pounds, 10.....	50	4 50

NARCISSUS—Continued	10	100
Princeps. Sulphur-yellow perianth and deep yellow trumpet; long, handsome flowers. Valuable for forcing or outdoor culture. A splendid variety. Largest Mother Bulbs. 2 lbs., 10.	60	5 00
Victoria. Creamy white perianth, rich yellow, fluted trumpet. Largest Mother Bulbs. 2 lbs., 10	85	7 50

Yellow

Emperor. Large, golden yellow trumpet, deep primrose perianth. One of the best Daffodils for medium and late forcing. It is very free-flowering, with large, solid flowers of great substance. Largest Mother Bulbs. 3 lbs., 10	75	6 50
Golden Spur. Uniform deep golden yellow. Most popular of the single Narcissus, owing to its earliness and the substance and beauty of its flowers. Largest Mother Bulbs. 2 lbs. 10, fine forcer	75	6 50
Major (Trumpet Major). Pure yellow. The old variety. Earliest forcing. 1 lb., 10	45	4 00
Spurius (Single Von Sion). Pure yellow; large, expanded trumpet. Excellent for forcing. 3 lbs., 10	45	4 00

SHORT TRUMPET NARCISSUS

Barri

Narcissus belonging to this group are crosses between yellow Trumpets and Poeticus. The crown usually is not over one-third the length of the perianth. Excellent for naturalizing.

Golden Spur Narcissus

	10	100
ALBATROSS. Perianth white, pale lemon cup frilled and edge glowing orange red, beautiful	$0 60	$5 00
CONSPICUUS. Broad yellow perianth, broad short cup, edged bright orange-scarlet; very free bloomer	45	4 00
LADY GODIVA. Perianths white cup broad; yellow edged, bright orange-scarlet	40	3 50
Sea Gull. Large spreading white perianth, cup canary, edged apricot; very charming flower	60	5 00

INCOMPARABILIS

These are crosses between the yellow trumpet, and Poeticus but the crowns are larger than those of the Barri group, sometimes being three-quarters of the length of a perianth segment. The color of the perianth is either yellow or white.

	10	100
Beauty, perianth sulphur, barred yellow, large cup margined orange-scarlet. 2 lbs., 10	$0 60	$5 00
Simplex. Single; yellow; Early. Fine for cutting; also for forcing. 2 lbs., 10	35	3 00
Sir Watkin. Perianth sulphur, crown yellow, tinged bright orange. This is still the king of the short-cupped Narcissus, and used more generally and in larger quantities than any other short-cupped variety. Valuable as a cut-flower. Mother Bulbs. 3 lbs., 10	60	5 00
Stella. White perianth, yellow cup. Good forcer. 1 lb., 10	40	3 50

LEEDSII

These are crosses between the White Trumpets and Poeticus. The crowns are as large as those of the Incomparabilis group. The perianths are always white; the crowns are mostly white or light yellow.

	10	100
Leedsii Type. Silvery white, lemon cup. 1 lb., 10	$0 35	$3 00
Minnie Hume (Queen of England). Large white perianth, cup passing from fine lemon to white. 1 lb., 10	40	3 50
Mrs. Langtry. Pure white perianth, large white cup, edged yellow. Splendid for cutting or naturalizing. 1 lb., 10	35	3 00

NARCISSUS POETICUS

Varieties belonging to this group always have a pure white perianth. The cups are very short, but wide-mouthed, and always more or less deeply rimmed with orange or scarlet.

	10	100
KING EDWARD. Broad pure white perianth, orange scarlet crown	$0 60	$5 00

Double Narcissus, Von Sion

NARCISSUS POETICUS—Continued

	10	100
Ornatus. Perianth pure white, cup yellow, margined scarlet. One of the most popular of all; useful for cut-flowers; very early flowering. Mother Bulbs. 1 lb., 10	45	4 00
Recurvus (The Old Pheasant's Eye). Pure white perianth, scarlet cup; late. 1 lb., 10	35	3 00

NARCISSUS POETAZ MULTIFLORUS

New Hybrids Between Poeticus Ornatus and Polyanthus Varieties

An altogether new race of narcissus, perfectly hardy; they are crosses between Polyanthus and Poeticus Ornatus, flowering in clusters like Polyanthus Narcissus but without their fragrance.

	10	100
Aspasia. Perianth pure white, yellow eye, large flowers. 2 lbs., 10	$0 40	$3 50
Ideal. Perianth white, dark orange eye. 6 to 7 flowers on a stem. 2 lbs., 10	60	5 00
MIGNON. White perianth, cup creamy white with deep orange-scarlet, scarlet edge. each, 10	75	7 00

VARIOUS SINGLE NARCISSUS

	10	100
Single Trumpets, Mixed. 2 lbs., 10	$0 35	$3 00
All Sorts Mixed. 2 lbs., 10	35	3 00

DOUBLE NARCISSUS

	10	100
Alba plena odorata. Pure white; a splendid cut flower; sweet-scented. For outdoors. 1 lb., 10	$0 35	$3 00
Orange Phoenix (Bacon and eggs) Large; double; white with orange base. 2 lbs., 10	45	4 00
Von Sion. The largest double yellow Trumpet variety. Extra fine for forcing; largely grown by florists for winter cut-flowers. Our bulbs are Dutch-grown, of the pure golden yellow variety, and of the largest Mother Bulbs. 2 lbs., 10	65	6 00

POLYANTHUS NARCISSUS

The varieties belonging to this class produce small, fragrant flowers growing in clusters. They are invaluable for forcing and may be grown under glass or in pots. If planted in the open border they must be protected over winter by a covering of litter.

	10	100
Grand Monarque. White with yellow cup; very large flowers; vigorous grower. 2 lbs., 10	$0 65	6 00

Paper White Narcissus

POLYANTHUS NARCISSUS—Continued

	10	100
Grand Soleil d'Or. Yellow, with orange cup; very free-blooming. 2 lbs., 10	85	7 50
Mixed Sorts. 2 lbs., 10	60	5 00

PAPER-WHITE NARCISSUS

Paper-white grandiflorus. Large trusses of pure white flowers. Splendid forcer. Large bulbs. If obtainable, price will be about 70c for 10; $6.00 per 100. At time of going to press it looks doubtful if we shall receive any, owing to failure of the crop. Mailing weight, 2 lbs. 10.

JONQUILS

Not less than 50 of a kind at 100 rate.

A class related to the Narcissus, and suitable alike for pot culture or planting out. Culture same as for hyacinths.

	10	100
Single Yellow Sweet-scented. 4 cz., 10	$0 35	$3 00
Large Single (Campernelle). Yellow. 8 oz., 10	35	3 00

CROCUS

If to be sent by mail, add postage at zone rates—8 oz. 10, 3 lbs. 100.

For pots and borders. A universal favorite, being one of the earliest flowers seen in the spring. They are neat, dwarf and compact in growth, and the blooms are of bright colors. If planted closely—say 2 inches apart—and 3 inches deep, they make a pretty display immediately after the snow goes off in the spring. Do not disturb for several years. Should be largely planted in the grass on lawns. They will flower very early in spring before mowing. The effect is beautiful. For flowering in pots, baskets, etc., they should be plunged in the open ground for three weeks after planting, precisely in the same manner as directed for hyacinths.

Crocus

CROCUS—Continued

	10	100	1000
Blue and Purple Mixed.	$0 20	$1 50	$10 00
Striped and Variegated, Mixed	20	1 50	10 00
Mammoth Yellow	30	2 50	20 00
White	20	1 50	10 00
Mixed Colors	20	1 50	10 00

HYBRID NAMED CROCUS

Remarkable for richness of color and immense size. These varieties are best for forming letters or designs on lawns, for which purpose they may be planted without disturbing the grass, by the use of a dibble or narrow trowel. Flowers are produced very early, and mowing later on will not seriously injure the bulbs.

	10	100	1000
Albion. Purple, with white feathers	$0 25	$2 00	$18 00
King of the Blues. Very large	25	2 00	18 00
King of the Whites. Pure white	25	2 00	18 00
Non Plus Ultra. Blue, edged white	25	2 00	18 00
President Lincoln. Large; purple; early	25	2 00	18 00

Not less than 10 of a kind sold.

LILIES

If to be sent by mail add postage at zone rates as per weight indicated.

For stateliness of habit, beauty of form and variety of coloring, the Lily is without a rival among bulbous plants. Many of the species are delightfully fragrant. Though they may nearly all be called hardy, it is well to protect them against frost in winter by a covering of ashes or litter. They are easily grown and require little care. With the exception of Lilium candidum and Lilium tigrinum, which prefer a deep, rich loam, they all do best in a light, well-drained soil. Some peat or leaf-mold may be used to advantage. Lilium auratum cannot bear manure but thrives in ordinary light soil. They all prefer a partial shade, and the tallest sorts must have protection from high winds. Many of the stronger-growing kinds are well adapted for planting among shrubs. Most of them make splendid conservatory plants. For pot culture, a compost of loan and peat in equal parts, with the addition of some sand, is recommended.

Lilium Harrisii and Lilium Candidum ready in August, others not until November.

Japan Lilies are quoted as offered from Japan, and are subject to arrival, as we may be disappointed in not receiving them.

LILIUM HARRISII

(Bermuda Easter Lily)

BULBS NOW READY

The Bermuda Easter Lily is perhaps the finest and most popular of winter-blooming plants. The large, handsome, pure white, trumpet-

LILIUM HARRISII—Continued

shaped flowers are very sweet-scented and of great substance, lasting a long time after cutting. Its stately and graceful habit renders it a perfect pot-plant for table or window decoration. It gets its popular name from the fact that it is so largely used for church decoration at Easter. It is easily grown and can be forced into flower in a remarkably short time. It requires rich soil but without manure. It is also well adapted to garden culture, but in this latitude the bulbs should have a good covering of ashes or litter to protect them over winter.

	Each	10	100
7 to 9 inches in circumference. 3 lbs., 10.	$0 35	$3 00	$25 00
9 to 11 inches in circumference. Fairy Isle, 4 lbs., 10	75	7 00	60 00

Lilium Longiflorum (White Trumpet Lily)

This is among the most beautiful and valuable of garden Lilies. It grows from 1 to 4 feet high, and bears many trumpet-shaped, sweetly scented, waxy white flowers of great substance. A well-drained, light loam enriched with leaf-mold suits it best.

Formosum. Pure white flowers, larger than those of L. Harrisii. Grows 2½ to 4 feet high.

	Each	10	100
7 to 9 inches in circumference, black stem. 3 lbs., 10	$0 30	$2 50	$22 00
9 to 10 inches in circumference, black stem. 5 lbs., 10	45	4 00	35 00
Multiflorum. 7 to 9 inches in circumference. 3 lbs., 10.	25	2 00	15 00
9 to 10 inches in circumference. 4 lbs., 10.	40	3 50	30 00
Multiflorum giganteum. 7 to 9 inches in circumference, black stem. 3 lbs., 10	25	2 00	15 00
9 to 10 inches in circumference, black stem. 4 lbs., 10	40	3 50	30 00

BEAUTIFUL JAPAN LILIES

These do not generally arrive until November and December. We import our supply direct from Japan every year. Every garden should have some of these most beautiful and easily grown Lilies.

Auratum (Gold-banded Lily). The grandest of all hardy Lilies, 3 to 6 feet high; flowers white, spotted maroon, having a bright yellow band through the center of each petal.

	Each	10	100
8 to 9 inches in circumference. 3 lbs., 10.	$0 25	$2 00	$15 00
9 to 11 inches in circumference. 5 lbs., 10.	35	3 00	25 00
11 to 13 inches in circumference. 7 lbs., 10.	45	4 00	35 00

Speciosum album. Beautiful pure white flowers of large size; 2 to 4 feet high; one of the handsomest and easiest-grown Lilies we have.

Lilium Superbum, Spec. Album, Spec. Rubrum, Tigrinium

	Each	10	100
7 to 9 inches. 4 lbs., 10	$0 25	$2 25	$20 00
9 to 11 inches. 5 lbs., 10	40	3 50	32 00

Speciosum rubrum var: Magnificum. Very dark crimson-spotted flowers of large size and striking appearance. Grows 2 to 4 feet high and blooms profusely.

	Each	10	100
7 to 9 inches. 4 lbs., 10	$0 25	$2 00	$15 00
9 to 11 inches. 5 lbs., 10	40	3 50	30 00
Batemanni. Unspotted, bright apricot flowers; beautiful variety; strong hardy, easily grown, and highly recommended for general culture. 3 to 4 feet high. 1 lb., 10	35	3 00	25 00
Elegans. Incomparable, deep red spotted black; very beautiful	30	2 50	22 00
Krameri. White, slightly tinged with red; sweet-scented. 1 lb., 10	35	3 00	26 00
Leichtlinii. Bright red spotted purple—black. 2 to 4 feet high. 8 oz., 10	40	3 50	30 00

VARIOUS LILIES

	Each	10
Bolanderi. Bell-shaped, deep crimson flowers, dotted with purple. Grows 1 to 3 feet high. Rare. 1 lb., 10	$0 60	$5 00

LILIES—Continued

	Each	10
Brownii. Most beautiful flowers of immense size; inside creamy white, outside white with purple mid-ribs. a splendid pot-plant; 2½ to 3½ feet high. 2 lbs., 10. From cold storage—cases only of 100 each, $25		
Canadense (Meadow Lily). Graceful, drooping, yellow flowers, spotted red; 2 to 5 feet. 4 oz., 10	15	1 25
Candidum (Madonna Lily, or St. Joseph's Lily). The common garden Lily. Large, pure white, very sweet-scented flowers; valuable for forcing; 2 to 3 feet high. 3 lbs., 10. Per 100, $10	15	1 25
Columbianum (Oregon Lily). Orange flowers, dotted maroon; fragrant. 1 lb., 10. Largest size bulbs	60	5 00
Henryi. Very tall-growing variety; bright orange yellow flowers, spotted reddish-brown, with green band at the base of each segment; one of the very best of all Lilies for general culture; hardy, robust, long lived and easily grown in almost any soil or situation. 4 to 8 feet. 3 lbs., 10. Per 100, $30.00	40	3 50
Humboldtii type. A grand Lily. Orange-red flowers, spotted with small maroon spots. 5 ft. 1 lb., 10	60	5 00
Kelloggii. Slender stems with from 3 to 15 flowers with pink revolute petals; fragrant; 3 to 4 feet. 8 oz., 10	60	5 00
Paradalinum. Large showy flowers, richly colored and spotted. One half of each flower at the base is bright yellow, spotted brownish-purple, while the remainder at the end is bright orange scarlet. 4 feet. 1 lb., 10.	25	2 00
Parviflorum. Large bulbs; flowers of same color as Pardalinum, but smaller, and are solitary. Very charming. 8 oz., 10	50	4 00
Philadelphicum. Bright orange-red, with black spots; 2 feet high. 8 oz., 10. Per 100, $10.00	15	1 25
Superbum (Turk's Cap Lily). Deep orange-red, thickly spotted, purplish-brown. 4 feet. 8 oz., 10	15	1 25
Tenuifolium (Siberian Coral Lily) Rich scarlet; 1½ feet. 8 oz., 10. per 100, $10.00	15	1 25
Thunbergianum Elegans biligulatum. (Fea-Kwam) deep chestnut red, spotted flowers. 8 oz., 10	20	1 50
Thunbergianum Aureum Kikak. Apricot-yellow; spotted black; 3 feet. 8 oz., 10	20	1 50
Thunbergianum Prince of Orange. Soft buff flowers, spotted purple-black. 1 foot. 8 oz., 10	25	2 00
Tigrinum splendens (Tiger Lily). Larger and stronger than the Common Tiger Lily. Rich scarlet, with black spots; large roots. 2 lbs., 10. Per 100, $10.00	15	1 25
Tigrinum flore-pleno (Double Tiger Lily). Orange-red, black spots. The only desirable double flowered Lily in cultivation. 2 lbs., 10. Per 100, $12.00	20	1 50
Umbellatum erectum. Orange red, slightly spotted with purplish-black, tinged yellow in center. 4 lbs., 10	20	1 50
Umbellatum grandiflorum. Orange-red. Similar in all respects to erectum, except that flowers are larger. 3 lbs., 10	20	1 50
Umbellatum Mixed. 3 lbs., 10.	15	1 25
Wallacei. Orange-red, maroon spots; late. 1 to 2 feet easily grown, and deserving of more general culture, both for pots and open ground. 8 oz., 10	50	4 50
Washingtonianum. A lovely native variety of very stately habit; large, trumpet-shaped flowers, pure white, tinged purple or lilac; very fragrant; 4 to 7 feet. 2 lbs., 10	40	3 50

CHINESE SACRED LILY

(The Water Fairy Flower)

READY IN SEPTEMBER

A variety of the Polyanthus Narcissus, imported from China. The bulbs should be placed from three to six in a bowl or glass dish of water which has been partly filled with pebbles, some of which place over the bulbs so as to prevent them from floating. The water should be tepid and changed every two days. Submerge the bulbs entirely and place in a sunny window in a cool room. Mailing weight, 4 pounds, 10.

Each	10	100
$0 25	$2 00	$16 00

LILY-OF-THE-VALLEY

(Convallaria majalis)

EXPECTED; DELIVERY DEPENDS ENTIRELY UPON ARRIVAL

One of the most beautiful and admired spring-flowering plants, and universally sought for its neat and chaste outline and delicate odor. The growth is close, dwarf and compact, and the plant is hardy and permanent. It is now a most popular plant for forcing, which is easily done by planting the pips in pots, from 6 to 12 in each, watering freely, keeping in a cold cellar, and starting from week to week, to keep up a succession. They generally flower in three to four weeks after planting. They require a considerable amount of heat to start them. They may also be planted in moss fibre in vases.

LILY OF THE VALLEY—Continued

CLUMPS. Fine, large clumps, with many flowering pips on each. Fine for planting outside in shaded positions and for naturalizing by the side of streams or wood walks. Weight 3 pounds each. Prices on application.

PIPS FOR FORCING. Finest Exhibition size. Prices on application.

BEGONIA CRISPA

Single, Fringed

These Begonias have beautifully shaped, gracefully frilled and crested flowers borne above the foliage on long and erect stems. A fine strain with a great future. **White,** $1.25 per 10; $10.00 per 100.

BRODIAEA

READY IN SEPTEMBER.

Mailing weight, 1 pound, 100.

Pretty bulbous plants from the Pacific Coast. They have narrow, grassy leaves, slender stems and umbels of lily-like flowers. For forcing or for outdoor culture. Do best in rich, sandy loam. If grown in pots, a compost of loam, leaf-mold and sand is best. All are hardy.

	10	100
Coccinea (Floral Firecracker). Rich blood crimson, tipped white	$0 75	$6 00
Grandiflora. Deep purple flowers, large and showy	50	4 00
Lactea. White with green stripes.	50	4 00
Laxa. Blue	75	6 00
Peduncularis. Porcelain-white flowers in immense umbels	75	6 00

CALOCHORTUS

(Mariposa Lily, or Butterfly Tulip)

READY IN SEPTEMBER

Very handsome bulbous plants from California. They are remarkable for the brilliancy and variety of their coloring, and their gracefulness of habit. They grow freely in light, sandy loam. Though hardy, they should be protected during winter with litter. They may also be successfully grown in frames and pots. Mailed free.

	10	100
Amabilis (Globe Tulip). Very pretty golden yellow	$0 55	$4 50
Benthami (Star Tulip). Yellow black spots	50	4 00
Lilacinus (Star Tulip). Large finely formed lilac flowers	50	4 00
Luteus (Mariposa Tulip). Clear yellow, delicately penciled creamy white	60	5 00
Maewanus major (Star Tulip). White ground, open cup filled with fine blue hairs	50	4 00
Venustus citrinus (Mariposa Tulip). Deep, rich lemon, with vivid dark maroon eyes	60	5 00
Venustus oculatus (Mariposa Tulip). Creamy white flowers, varying to sulphur and purplish tints	60	5 00
Mixed Mariposa Tulips	60	5 00

CRINUM

	Each
Powelli. Produces long stems, bearing at the top five to eight large, dark rose, bell-shaped flowers, 3 to 4 inches long. 2 lb. rate	$0 25
Powelli album. Pure white, 2 lb. rate	50

FREESIA

If to be sent by mail, add postage at zone rate—10, 4 oz.; 100, 2 lb.

The justly popular Freesias are greatly prized for the delightful fragrance of their delicately colored flowers, which, when cut, will remain in good condition for a long time in water. They are easily grown or forced in good, loamy soil, with an admixture of leaf-mold and sand, in a frame or greenhouse, and are excellent for window culture in winter. For the information of all not acquainted with these bulbs we may say that they are quite small, but produce large blooms in comparison to their size.

Freesia, "Purity." Magnificent, glistening pure white flowers of large size, borne on strong, lengthy stems, each truss bearing eight to ten buds, five or six of which are frequently open at the same time.

Mammoth, size ¾ inch and up. 40 cts. per 10; $3.00 per 100; $25.00 per 1,000.

Freesia "Purity"

IRIS

(Fleur-de-lis)

Iris, the Greek name for the rainbow, was applied to this flower in allusion to the manner in which many beautiful colors are blended together. Irises are of easy culture. They do

IRIS—Continued

best in a light, rich, sandy soil, and in a sunny situation. Good drainage is important. The varieties of Iris Kaempferi, from Japan, are remarkable for the beauty of their colors and their stateliness of habit. Some of these send up 10 to 12 flower-spikes 3 feet high, each bearing 2 to 4 enormous blossoms measuring 8 to 10 inches across. These require a liberal supply of water when growing.

Japan Iris
(Iris Kaempferi)

	Each	10
APOLLO. Single; white	$0 30	$2 40
BLUE WING. Single; blue white.	30	2 40
DELICE. Double. Lavender and yellow	30	2 40
DISTINCTION. Single; lavender and pink	30	2 40
DOMINATOR. Single; indigo blue	30	2 40
P. C. DE ROHAN. Double; light purple	25	2 00
TEMPLETON. Double; violet, pink and white	25	2 00
T. S. WARE. Double; reddish violet	30	2 40
DOUBLE AND SINGLE MIXED.	15	1 00

Iris

PALLIDA—var. DALMATICA. Considered by some authorities the finest Iris grown. Standards and Falls Lilac—Purple	25 2 00

Garden Iris (Iris Germanica)
(Fleur-de-lis)

	10	100
ADMIRAL TOGO. White, faintly tinged lavender; falls and standard lightly bordered purple. Extra fine clear color	$1 00	$7 00
BROOKLYN. Standards lavender, yellow at base; falls pale blue, base veined brown on a white ground, edged yellow, splashed with dark blue, beautiful	75	6 00
FLAVESCENS. Self-color, canary yellow	1 00	7 00
FLORENTINA ALBA. An excellent variety for cutting and an early bloomer. Flowers ivory white tinged with lilac. The Orris root variety of commerce	1 00	7 00
FLORENTINA BLUE. Tall and vigorous; deep dark blue	1 00	7 00
GRACCHUS. Standards clear yellow; falls marked red reticulated white. A very conspicuous variety	1 50	12 00
HERANT. Standards bright blue; falls much darker. A beautiful broad-leaved sort; early flowering	1 00	7 00
L'AFRICAIN. Standards rosy purple; falls darker veined, white at base, dwarf	1 25	10 00
LIZZIE. Standards pure yellow; falls dark, bronzy crimson	75	600
MAD. CHEREAU. Pure white, edged with azure blue; falls deep white with blue penciling	75	6 00
MRS. H. DARWIN. Pure white, falls slightly reticulated violet at base; very beautiful and free flowering, early	1 50	12 00
PALLIDA SPECIOSA. The great purple or turkey flag. Standards dark lavender shaded lighter. Falls shaded light purple. Quite tall	1 60	14 00
PAULINE. Standards bright blue, falls a little darker	75	6 00
QUEEN OF MAY. This is a very satisfactory variety and well adapted everywhere. It is soft, rosy lilac, almost pink. A color rare among Irises	1 75	16 00

MERTENSIA VIRGINICA
VIRGINIAN COWSLIP or **BLUE BELLS.**

Hardy perennial, purple blue tubular flowers about 1 inch long, disposed in gracefully drooping terminal clusters—of easy culture in ordinary garden soil, excellent for mixed borders, copses and rock work. Height, 1 to 2 feet. Each, 15 cts.; $1.25 per 10; $10.00 per 100.

OXALIS
READY IN SEPTEMBER

If to be sent by mail, add postage at zone rates—1 pound per 100.

A very pleasing class of small bulbs, producing vast quantities of brilliant flowers during the autumn and winter months; they are especially desirable for planting in hanging-baskets. They are easily grown in a sandy soil, seven or eight bulbs in a 4- or 5-inch pot. Pot in September, and remove indoors early in October; keep in moderate temperature.

	10	100
Buttercup. A splendid winter-blooming plant for pot culture. The flowers are pure bright yellow, and produced in great abundance. It is very easily cultivated and, being a strong grower, only one or two bulbs should be planted in a 5- or 6-inch pot	$0 30	$2 50
Grand Duchesse Grandiflora, Lavender	25	1 50
Grand Duchesse Grandiflora, Pink	25	1 50
Grand Duchesse Grandiflora, White	25	1 50

PAEONIES
EXPECTED IN OCTOBER

If to be sent by mail, add postage at zone rates—1 pound each; 9 pounds 10.

The old-fashioned double Paeonies are too well known to require description. Their popularity is due to their great merits, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed, richly colored flowers.

PAEONIES—Continued

Among hardy herbaceous perennials, the Chinese Paeonies rank about first for lawn, flower-border or shrubbery decoration. Paeonies do best in deep, rich, rather moist soil. The plants are gross feeders, and the soil should be well worked before planting, and enriched with cow manure. Clean cultivation should be given. An annual top-dressing of short, well-rotted manure should be given in November, and forked into the soil in spring. Liquid manure, given in the growing season, helps the bloom wonderfully. They need abundant water, and if they suffer from drought at blooming time there are likely to be small flowers and blighted buds. The crowns should be set in planting about 2 inches below the surface. They may be set in spring or fall, to bloom the following summer. They are all hardy. We offer only strong, flowering roots, **with not less than three eyes.**

Herbaceous Chinese Paeonies
(Paeonia chinensis)

	Each	10
Delachei. Purplish red	$0 45	$4 00
Duchesse de Nemours (Calot). Sulphury white	45	4 00
Eugene Verdier. Pink and Salmon	90	8 00
Festiva maxima. White	45	4 00
Louis Van Houtte. Cherry-color, with purplish reflection	45	4 00
Marechal Mc Mahon. Rich carmine	45	4 00
Madame Lemoine. Pure white, large splendid flower	75	6 00
Monsieur Jules Elie. Satiny pink, very early	1 25	12 00
Double Mixed, White	45	4 00
" " **Crimson**	45	4 00
" " **Rose**	45	4 00
" " **Pink**	45	4 00
" " **Carmine**	45	4 00

Paeonia Officinalis
Mailing rate, 2 pounds each.

	Each
Anemonaeflora. Large; crimson; single anemone-flower shape	$0 60
Rosea plena. Pink	50
Tenuifolia. Single-flowering. Rich crimson; narrow-leaved, feathery foliage.	40

RICHARDIA
(Calla)

READY IN OCTOBER AND NOVEMBER

If to be sent by mail, add postage at zone rates as per weight indicated.

Tall-growing, bulbous perennials of graceful habit, and handsome foliage and flowers. They are easily cultivated in pots, requiring only rich soil and plenty of water. A compost of one part good loam and one part cow manure is recommended. It is a good plan to plant them out in the garden each summer, in rich, well-manured soil, giving them plenty of water, taking them up and carefully repotting them in September.

Calla
Elliottiana

	Each	10
White Calla, or **Lily of the Nile** (Calla aethiopica). Large white, trumpet-shaped flowers of great substance. One of the most popular ornamental house and greenhouse plants. 2 inch bulbs. 10, 4 lbs	$0 30	$2 75
ELLIOTTIANA, Yellow Spotted Leaf. Dark green leaves, spotted silvery white. 3 inch bulbs. 10, 2 lbs	45	4 00

SANGUINARA CANADENSIS

	10	100
Bloodroot. A showy, hardy spring flower. White, often tinged with pink. Prefers a light sandy loam or peat soil, but will grow anywhere; useful for ornamenting the front of flower borders	$0 30	$2 50

TRILLIUM
(American Wood-Lily, or Indian Shamrock)

Mailing rate—1 pound, 10; 7 pounds, 100.

Hardy herbaceous perennials succeeding best in a deep, well-drained soil and in a somewhat shady situation. They require plenty of water during the summer. All are native of North America, and are known by various common names in different localities. They have violently metic roots.

TRILLIUM—Cont.

If to be sent by mail, add postage at zone rates.	Each	10	100
Erectum. Dark purple; erect habit	$0 10	$0 50	$4 50
Grandiflorum ("Giant American Wood-Lily," or "Wake-Robin"). Large, white flowers, and easily grown in shaded positions	10	50	4 00

HARDY PERENNIAL AND OTHER FLOWER SEEDS

FOR AUTUMN SOWING

Mailed free of postage

Many varieties of flower seeds, **Annuals** as well as **Biennials** and **Perennials,** may be sown in the open ground in the autumn. We give here a list of such as will succeed in this latitude and southward. The plants from autumn-sown seed becomes larger and more robust, flowering earlier and more numerously than if sown in the spring. For full descriptions see our General Seed Catalogue. Character and Hardiness indicated by letters A, Annual; B, Biennial; P, Perennial; h, hardy; hh, half hardy; g, greenhouse; t, tender.

SWEET PEAS

Grandiflora Varieties

All Ten Cents per Packet

	Per oz.	¼ lb.
Canary Primrose. Beautiful primrose (Christmas) **54650**	$0 15	$0 50
Christmas Pink **54660**	15	50
Christmas White **54670**	15	40
Christmas Lavender (Mrs. Alex. Wallace) **54680**	15	40
Earliest of All. Pink and white, resembling Blanche Ferry (Christmas) **54690**	15	50
Le Marquis. Navy blue (Christmas) **54720**	15	50
Meteor. Bright red **54725**	15	50
Mixed Christmas **54770**	15	50

	Pkt.
ABUTILON, Mixed Hybrids (Chinese Bell-flower, or Flowering Maple). Greenhouse shrub of easy culture; continuous blooming, bell-shaped flowers; very decorative; desirable for house or garden. Grows 3 to 4 feet in height **55050**	25

ACACIA (Tassel Tree). Beautiful greenhouse shrubs, elegant foliage, graceful branches and fine racemes of richly scented, yellow flowers. Soak the seeds in hot water before sowing, then plant in sandy peat in a temperature of 55 to 60 degrees.

	Pkt.
Baileyana. 6 to 10 ft **55090**	10
dealbata. 4 ft **55130**	10
decurrens. 6 ft **55150**	10
Melanoxylon. 8 ft **55210**	10
Fine Mixed **55290**	5

	Pkt.
ACHILLEA Ptarmica, Double, "The Pearl." Free-blooming, hardy perennial. The pure white flowers are borne in clusters on long stems. 1½ ft. **55340**	25

AGATHÆ cœlestis (Blue Daisy). A tender perennial, with beautiful blue flowers; fine pot plant for Winter blooming in conservatory; 1 ft **55680** 25

AGROSTEMMA. All of easiest cultivation, blooming during Summer and Autumn. "The Rose of Heaven" is very free flowering and fine for cut-flowers. The "Rose Campion" is excellent for naturalizing in dry situations.

	Pkt.
†**coronaria** (Rose Campion) (hP). Rose; 2 ft **55880**	5
† " **Dark Blood Red** (hP). 2 ft **55890**	10
†**coronaria White** (hP). 2 ft **55900**	5
† " **Mixed** (hP). 2 ft **55910**	5
†**Flos-Jovis** (Flower of Jove) (hP). Rose; 1 ft **55920**	5

ANCHUSA. Perennial. Fine for cut-flowers and bouquets.

	Pkt.
Italica, Dropmore variety (hP). Blue; 3 ft **56340**	10

ANEMONE (Windflower). Free-flowering hardy perennials, producing large cup-shaped flowers. Invaluable for cutting; require rich, deep soil; 1 to 2 ft.

	Pkt.
coronaria (St. Brigid Poppy-flowered) **Mixed** **56360**	10
Caen, Mixed **56370**	10
japonica alba. White **56390**	25
sylvestris. White **56395**	15

AQUILEGIA (Columbine). Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture, but such rare sorts as A. cærulea and A. chrysantha do best in partial shade.

	Pkt.
California hybrida. Orange-red and yellow; splendid; 2 ft **56500**	25
canadensis. Scarlet and yellow; for shade; 1½ ft **56510**	10
chrysantha. Golden yellow; flowers large, long spurred; 3 ft **56520**	25
cærulea (Rocky Mountain Blue Columbine). One of the most beautiful of our our native flowers. Sepals blue, petals white; 3 ft **56530**	15
glandulosa vera. One of the handsomest hardy perennials; stems 2 ft. high, with sometimes 50 to 80 blossoms 3 in. in diameter, of the deepest blue, with white corolla; a splendid flower. **56560**	50

AQUILEGIA—Continued Pkt.

Long-spurred Hybrids, Mrs. Scott Elliot's Strain. Magnificent hybrids in the greatest variety of colors and shades; one of the finest strains; 2 ft. **56580** 25

Skinneri (Mexican Columbine). Very handsome and distinct, spurs and sepals long. Crimson and green; 3 ft. .. **56590** 25

vulgaris, Double Mixed. Best colors **56620** 5

" **Single Mixed.** Many good sorts **56630** 5

ARABIS. An early-flowering, hardy perennial especially suited for edgings and rockwork, growing about 6 inches in height.

Pkt.

alpina (Rock Cress). White; 9 in. . **56660** 10

ASPARAGUS. Beautiful, fern-like foliage; fine for bouquets; an excellent house plant; white flowers; 4 to 6 ft.

Pkt.

plumosus manus (gP). The dwarf variety so largely used by florists. **56860** 10

Sprengeri (gP). Fine for basket work and for use with cut-flowers **56890** 10

AUBRETIA. Hardy perennial trailers for beds, rockwork or herbaceous borders; resemble Alyssum in character. Pkt.

deltoidea. Lilac, very pretty **56960** 25

Leichtlini. Rosy carmine, fine. .. **56990** 25

AURICULA (Primula auricula) (hP).

Finest Mixed. Beautiful shades of color. These early Spring-blooming garden Primroses are great favorites; 6 in. **57020** 25

BEGONIA (gP). Begonias are invaluable for growing in beds and borders; also for pot culture, being perfect in habit, with very handsome foliage. Height about 1 ft.

Pkt.

Single, Tuberous-Rooted, Mixed. 57420 25

Double Tuberous-Rooted, Mixed. 57430 50

gracilis luminosa. Dark scarlet, reddish brown foliage; Winter flowering; fine for pots **57460** 25

semperflorens rosea. Rose-colored flowers; fine for edging **57500** 25

" **alba.** White flowers borne in profusion. **57510** 25

" **Vernon.** Red; for borders **57540** 25

" **Mixed** **57570** 25

CACTUS (hhP). Mixed varieties. . **57900** 25

CALCEOLARIA. The seeds are very small, and should be sown in the greenhouse on the surface of shallow boxes, filled with a light, sandy soil, which has been sifted. Sow moderately thick in rows on the surface and cover very lightly with sifted Sphagnum Moss, Cocoanut waste or very light soil. Press the soil firmly on the seed, the watering should be done carefully; an atomizer or brush is best; to retain the moisture the box may be covered with a pane of glass which must be removed as soon as the plants appear. The soil should be light and rich.

CALCEOLARIA—Continued

hybrida. Large flowered; self colored; 2 ft. ..... **57990** Pkg. 25

" Large flowered; tigered or spotted; 2 ft. **58000** 25

" Large flowered; dwarf; tigered; 1 ft. **58010** 25

CALENDULA. Hardy annuals about 1 ft. high. They are excellent for cutting, and are produced in great profusion.

Pkt.

Officinalis fl. pl. grandiflora (Orange King). Double; large flowered deep orange. **58160** 5

" **fl. pl. grandiflora sulphurea.** Double; light yellow; large-flowered. **58170** 5

" **Sulphur Crown** **58175** 5

" **Nankeen.** A rich, soft shade of nankeen yellow; large flowers **58180** 5

" **Meteor.** Creamy center, edged with orange; fine for cutting. Oz., 25c. .. **58190** 5

" **Prince of Orange.** Glittering orange and yellow. One of the best. Oz., 30c. **58200** 5

COREOPSIS (Perennial Calliopsis). One of our finest hardy perennials; bloom practically all Summer; fine for borders and groups.

Pkt.

grandiflora. Large flowers of rich yellow; 2 ft. **58400** 10

lanceolata grandiflora. Large, golden yellow flowers; fine for cutting. . . **58410** 10

CAMPANULA

And CANTERBURY BELLS. For effect in the border plant them in clumps of separate colors, and they are beautiful when massed. The perennial varieties, treated as perennials, will flower most profusely by mid-summer. The tall and stately growing kinds will be found of great value for the border, while the dwarf sorts make charming rock and edging plants. All the varieties like a rich, sandy soil with good drainage.

Pkt.

carpatica (hP). Deep blue; for rockeries, beds and edgings; 6 in. **58530** 10

" **alba.** Flowers white; 6 in. **58540** 10

Medium Single Blue (Canterbury Bells) (hB). Blooms first year if sown early; 2 ft. **58560** 5

" **Single White.** Pretty for contrasts **58570** 5

" **Single Rose** **58580** 10

Medium Single Mixed **58600** 5

" **Double Blue.** Rich, heavy, curious flowers through Summer and Fall **58610** 10

" **Double White.** Waxy appearance **58620** 10

" **Double Rose** **58630** 15

" **Double Mixed** **58640** 10

CAMPANULA—Continued

calycanthema (Cup-and-Saucer) (hB). Pkt.
Blue.....**58650** 10
" **alba.** A white flowered variety of the above. **58660** 15
" **Mixed.** Shades of blue and white.....**58680** 10
" **Prize Mixture** of all colors, Single and Double and Calycanthemas.....**58700** 15

persicifolia grandiflora, Blue (hP). **58770** 25
" **grandiflora alba.** A white-flowered variety of the above.....**58780** 25
" **grandiflora, Fine Mixed.** **58790** 25

pyramidalis (Chimney Bellflower) (hhP). Spikes 3 to 4 ft. tall, blue; blooms in late Summer and Autumn...**58800** 10
" **alba. White**.....**58810** 10
" **Mixed**.....**58815** 10

CANDYTUFT PERENNIAL. Sow outdoors in Fall in any sunny place.

Pkt.
sempervirens. White flowers remain fresh nearly a month; 1 ft.....**58990** 15

CARNATION

(**Dianthus Caryophyllus.**) Should be sown and kept in Cold Frame until spring. Young plants are perfectly hardy outdoors, but when two or three years old they are injured by Winter cold, so that sowings should be made every year. *The more expensive sorts produce the finest flowers. The prices we quote, although seemingly high, are most reasonable for strains such as we offer.*

MARGARET CARNATIONS are an extra vigorous race, especially adapted for outdoor culture.

Double White. Large, perfect flowers; Pkt. 1½ ft.....**59120** 10
Double Yellow. A clear, soft shade; 1½ ft.....**59130** 25
Double Mixed. 1½ ft. to 2 ft., oz., $1.50.....**59140** 10
Giant Margaret. Malmaison Strain. Extra large and perfect, flowering in a rich variety of colors; 80 per cent. of the flowers generally come double. A splendid sort for cutting; 1 ft....**59145** 25

PERPETUAL CARNATIONS. This race has large, elegantly formed flowers, continually abloom, upon closely branched symmetrical plants, often called, from their neat habit, Tree Carnations.

Chabaud Perpetual Double. Mixed—Pkt. yellow, red, white, etc.; 1½ ft. Blooms in six months.....**59160** 25
Giant Perpetual Fine Mixed. Enormous flowers; perfectly double; splendid colors.....**59240** 50

BORDER CARNATIONS, etc.

Pkt.
Red Grenadine, Double. Brilliant scarlet; 2 ft.....**59270** 25
Early Dwarf Vienna. Double Mixed. Fine for garden culture and for cutting; 1 ft.....**59290** 15

Centaurea

PERENNIAL, SILVER-LEAVED. These are used for borders or edgings, and thrive anywhere. Flowers white, leaves grayish; half hardy; height 1 ft.

candidissima. Silvery white leaves. Pkt. **59740** 10
gymnocarpa. Silvery white, small leaves.....**59760** 10

CERASTIUM (Snow-in-Summer). Pretty, silver-leaved, trailing, hardy perennials; fine edging plants, also for rockeries; 6 in. Pkt.
tomentosum. White.....**60190** 25

CHRYSANTHEMUM

frutescens (Paris Daisy, or Marguerite) (gP). Beautiful for cutting and pot culture; long-stemmed, single, white flowers, with golden centers. **60610** 10

Leucanthemum (Shasta Daisy) (hP). Extra large flowers, with pure white petals and brilliant, golden yellow center; 2 to 2½ ft.....**60630** 10

PERENNIAL VARIETIES. This section includes the large-flowered sorts, and the pretty, hardy Pompons that make bright masses of color in our gardens long after heavy frosts have cut down other flowers.

Pkt.
indicum, Single. Will produce superb flowers of different types and colors; fine for forcing and cut-flowers.....**60720** 25
" **Pompon.** The pretty, hardy dwarfs, with bright, clustered flowers, which brighten up the garden late in Autumn; 1½ ft.....**60740** 25

japonicum fl. pl. From finest flowers. Double. An extra choice mixture, including many of the finest large-flowering sorts.....**60750** 50

CINERARIA

One of the most useful and ornamental of greenhouse plants, with flowers of the richest and most brilliant colors and shades, and of the finest texture. It is rather a difficult plant to grow if its requirements are not understood. The mistake generally made is in growing it in a warm house instead of a cool one. The seed should be started in the greenhouse Average height, 2 ft.

Large-flowered, Crimson. Very brilliant and showy. Pkt. **60800** 50
" " **Flesh Colored, Mixed.** **60810** 50

CINERARIA—Continued

Large-flowered, Stella, Mixed. Twisted and fluted petals; large flowers of very rich and bright colors....60820 Pkt. 50
" " **White.** Handsome.60830 25
" " **Half Dwarf, Prize Mixed.** Exquisite; 1 ft.....60850 60
Splendid Mixed. All fine sorts....60860 25
" " **Double**.....60870 60
stellata (Polyantha). Mixed.....60880 25

HALF-HARDY PERENNIALS. Require some protection.

maritima candidissima. Beautiful white foliage; the best.60920 Pkt. 10
" **Diamond.** Pure white foliage; very fine.....60930 10

‡**CLEMATIS.** (Virgin's Bower). Excellent, hardy climbing perennials for trellises, arbors, verandas, etc. Do well in most locations.

crispa. Pale purple; floriferous; 10 ft.61160 Pkt. 25
flammula. White, sweet scented. 25 ft.....61170 10
paniculata. White, fragrant, very free blooming; 10 to 20 ft.....61180 10
Jackmani Hybrids, Mixed. Collection of the best colors; 10 to 15 ft.....61190 25

‡**COBAEA.** Tender climbing perennials of rapid growth; 20 ft.

‡**scandens.** Purple, bell-shaped flowers. Pkt. oz., 50c.....61330 10
– " **alba.** White.....61340 15

***COLEUS** (gP). Splendid bedding plants; with beautifully colored foliage, very useful for decorative purposes; 2 ft.

Fine Hybrids, Mixed.....61410 Pkt. 25
Finest Mixed Large-leaved.....61420 50

CONVOLVULUS.

mauritanicus (hP). Blue; trailing habit; fine for baskets and rockeries....61700 10

COWSLIP. (Primula officinalis hybrida) (hP). Favorite Spring flower; fragrant; mixed colors; 6 in.....62010 10
Yellow.....62085 10

†**CUPHEA.** Pretty half-hardy perennials; fine border and pot-plants; 1 to 1½ ft.

Miniata. Rich Scarlet.....62200 Pkt. 10
Rœzlii. Red.....62230 25

Cyclamen

These greenhouse plants are among the best plants recommended for house culture, as they thrive well and bloom profusely in the average temperature of the living room. Sow the seed in small boxes or seed pans in a compost of well rotted manure, leaf mold and sand, in the early Winter months. Cover lightly with moss, which should be kept moist and should be removed after the seed germinates. Prick out into small pots when the young plants have two leaves. If grown steadily without any check, they will flower in about twelve months. Average height, 9 in.

Cyclaymen—Continued

Persicum giganteum album, Mont Blanc. White. Pkt.62300 25
" " **albo-rubrum.** White with red eye. 100 seeds, $1.00....62310 25
" " **atropurpureum.** Dark red.62320 25
" " **Brilliant Red** (wine color).62332 50
" " **Christmas Cheer** (blood red).62324 50
" " **Daybreak** (light pink)....62325 50
" " **Glory of Wandsbek** (salmon dark)....62326 50
" " **Lavender** (dark and light shades)62328 50
" " **Princess May.** Purest white, tipped crimson; very handsome.62340 25
" " **Rose of Marienthal** (pink).62345 50
" " **roseum.** Rose.62350 25
" " **Rosy Morn.** Rich rose, shading to purplish tinge.62355 25
" " **Victoria** (white, pink edge fringed)..62362 50
" " **White,** pure62365 50
" " **White,** pink eye.62368 50
" " **Covent Garden Strain Mixed.**62370 25
" " **Mixed.** Finest sorts.....62380 25
" **Papilo, Mixed** (Butterfly Cyclamen).....62400 25
" **Mixed**.....62410 10

Daisy

(**Bellis perennis, etc.**) (hP). Sow in beds outside in August or September; protect with straw or litter over Winter, and transplant to their permanent position in the Spring. They make delightful borders to beds of taller-growing annuals and can be used very effectively in beds of Spring-blooming bulbs; 4 in.

Double Delicata rosea.....62595 Pkt. 10
" **Rose** (Longfellow).....62600 10
" **White** (Snowball).....62610 10
" **Mixed.** Very fine.....62620 10
" **maxima alba.** Extra large. White.....62630 15

DAISY—Continued

Double maxima rosea. Extra large. Pkt. 62640 15
" **monstrosa alba.** Snowy white flowers..... 62652 25
" **monstrosa rosea.** Deep rose. 62654 25
" **monstrosa Mixed**..... 62660 25

DELPHINIUM

PERENNIAL VARIETIES. These are usually taller than the annuals, requiring more space between the plants. If sown in the Fall or very early Spring, nearly all will bloom the first season. Foliage clean and pretty; habit strong and neat; flower-spikes long and dazzling.

Pkt.
Barlowi. Large, dark blue flowers; extra fine; 3 ft..... 62930 25
Belladonna. Lovely pale blue; handsome plant; comes very true from seed; 4 ft..... 62940 15
cardinale. Orange-scarlet; a California native; 2 ft..... 62960 25
chinense, Mixed (C. grandiflorum). Large flowers, ranging from pure white to indigo-blue..... 62980 10
chinense azureum. Beautiful distinct shade of blue, 2 ft..... 62990 10
chinense Blue Butterfly..... 62995 10
formosum. Brilliant blue, white center; especially fine; 3 ft..... 63003 25

DICTAMNUS (Gas Plant). Ornamental hardy perennials; can remain for years undisturbed; the leaves, when rubbed, have a lemon odor; 3 ft.

Pkt.
Fraxinella. Red..... 63290 10
" **albus.** White..... 63300 10

***DRACÆNA.** Ornamental greenhouse plants; fine for pots, vases, or beds.

Pkt.
***Australis.** Dark green foliage; 3 ft. 63495 25
***indivisa.** Narrow green leaves; 4 ft. 63500 25

FORGET-ME-NOT

(**Myosotis.**) These dainty little flowers love cool, moist soils, and like Pansies, bloom most freely in Fall and early Spring. Height, 6 to 8 in.

Pkt.
alpestris (hB). A pretty plant of erect habit with blue flowers 64260 10
" **Indigo-Blue.** Very fine.. 64300 10
" **robusta grandiflora (Eliza Fonrobert).** Grown extensively for cutting. Large, sky-blue florets with yellow eye, in large clusters..... 64320 15
" **rosea.** Rosy flowers; pretty contrast with blues and white..... 64330 10
hybridus, Ruth Fischer (hB). Pure Forget-me-not blue. Fine for cutting and for hanging baskets.

FOXGLOVE (Digitalis). Hardy perennials, they are most satisfactory when treated as biennials. They will bloom magnificently the following Spring; giving them a deep soil inpartial shade.

Pkt.
purpurea, Purple, the well-known variety..... 64580 10
" **Rose.** Very showy; long spikes. 64590 10
" **White.** Fine and attractive. 64600 5
" **Mixed**..... 64610 5
gloxinioides, Purple..... 64620 10
" **Rose.** Bright, showy flowers borne profusely on fine spikes..... 64630 10
" **White.** Very handsome, Gloxinia-like flowers; robust; beautiful for cutting..... 64640 10
" **Mixed.** All the choice colors..... 64650 10
monstrosa, Splendid Mixed. Very large, bell-shaped flowers of exquisite beauty, borne on long spikes; 4 ft.. 64680 10

GAILLARDIA (Blanket Flower). Very durable and most brilliant in color; fine for bouquets; 2 to 3 ft.

Pkt.
†**grandiflora maxima** (hP). Golden yellow; 2½ ft..... 64890 10
" **Extra-Fine Mixed** (hP). 64910 10

GALEGA. Ornamental, tall growing, hardy perennials, well suited for borders or cutting; blooms all Summer; 3 to 4 ft.

officinalis. Blue..... 65000 5

GERANIUM. Most valuable greenhouse plants, blooming continuously. For bedding in the out-door garden nothing equals them. 1½ ft.

Pkt.
Zonale. Scarlet..... 65130 10
Apple-scented. Pink; fragrant foliage. 65150 25
Choice Mixed..... 65152 25

GEUM. Handsome hardy perennials.

Mrs. J. Bradshaw. Large, brilliant scarlet..... 65256 25

GLOXINIA. Greenhouse plants with magnificent flowers of great brilliancy; very decorative. Do best in light, rich soil; fine pot plants for the window garden; 1 to 1½ ft.

hybrida grandiflora— Pkt.
Mixed..... 65670 50
robusta..... 65675 50
crassifolia erecta, Mixed..... 65680 50

GREVILLEA robusta (Silk Oak). Graceful evergreen, greenhouse plant, easily raised from seed; fern-like foliage; fine for table decoration..... 66040 10 Pkt.

GYPSOPHILA (Baby's Breath). The perennial varieties are most easily grown; very graceful and delicate.

Pkt

paniculata (hP). White; fine for bouquets.....**66150** 10
" **fl. pl.** (hP). Fine clusters of double white flowers; rare; foliage very dainty and filmy; very fine for cutting.....**66160** 50

HELIOTROPE
Lemoine's Giant, Mixed. Very fine, large flowers.....**66460** 15
Dark-flowered Sorts, Mixed...**66470** 10
Fine Mixed.....**66480** 10

HELLEBORUS (Christmas Rose). These well-known, Spring-flowering, hardy perennials thrive finely in any common soil, in a sheltered, semi-shady situation; 1 ft. Pkt.
Niger. White.....**66560** 10
Mixed Hybrids. Very fine.....**66570** 25

HIBISCUS
Coccineus (speciosus) (gS). Large rose-red flowers.....**66645** 10
Crimson Eye (†hP). White and crimson; splendid in borders; 4 ft.....**66650** 10
Golden Bowl (hP). Very large flowers of a deep rich cream color, with velvety maroon center.....**66655** 10
moscheutos roseus (hP). Large rose-colored flowers; 4 ft.....**66670** 10

†**HONESTY** (Lunaria biennis). Hardy biennial. with silvery seed vessels; prized for Winter decorations; 2 ft.

Pkt.
Purple.....**66920** 10

IMPATIENS—TOUCH-ME-NOT
Holstii, large vermilion flowers; quick grower, splendid.....**67060** 25
" **hybrida, Mixed.** Finest colors. **67070** 25
Sultani. Bright, rosy carmine; fine for pots.....**67080** 25
" **hybrida, Mixed.** Splendid mixture.....**67100** 25
glanduligera (tA). Purple flowers; bright foliage.....**67110** 10

†**IONOPSIDIUM** (Diamond Flower) (hhP).
acaule White. Pretty.....**67180** 25
" **Lilac**.....**67185** 25

JACOB'S LADDER (**Polemonium**). Beautiful, old-fashioned, hardy perennial border plants; flowers in clusters; 2 ft.

Pkt.
Blue.....**67650** 5
White.....**67660** 5

LATHYRUS latifolius (Perennial Pea) (hP). These have not the fragrance of Sweet Peas, but bloom through a long season; are hardy and will live for years; they make a beautiful screen for rocks, stumps, fences, etc.; 4 to 8 ft.

Pkt.
Crimson. Beautiful shade.....**68000** 10
Pink Beauty. Blossoms white, veined, edged and shaded pink.....**68010** 10

LATHYRUS—Continued Pkt.
Mixed. oz., 60c.....**68025** 10

LEPTOSYNE. Fragrant, half-hardy annuals; large Marguerite-like flowers on long stems, good for cutting; 1 to 2 ft.

Pkt.
maritima. Yellow.....**68290** 10
Stillmanii. Golden yellow; blooms six weeks after sowing.....**68300** 10

LINUM (**Flax**). Pretty, free-flowering garden plants of easy cultivation. Pkt.
perenne. A graceful hardy perennial; color blue; 2 ft.....**68495** 5

LOBELIA

PERENNIAL VARIETIES—
cardinalis (Cardinal Flower). Standing bold and erect with its crimson-scarlet flowers, this handsome, native perennial Lobelia is invaluable for the border or grouping among evergreens; 2½ ft. **68780** 10
ramosa. Blue; flowers profusely in Fall; 1½ ft.....**68810** 10
Tupa. Flowers crimson, strong grower, perennial suitable for border; height 8 to 10 ft.....**68815** 15

LUPINUS

PERENNIAL VARIETIES. The hardy perennial varieties of the Lupines are extremely handsome and stately, bearing beautiful flowers of rose, white, blue and yellow in color, borne on erect, graceful spikes that are more than a foot in length.

Pkt.
Polyphyllus. Blue.....**69200** 5
" **albus.** White.....**69210** 5
" **Moerheimii.** Rose and white of rather dwarf habit; very beautiful. **69230** 25
" **roseus.** Rose; magnificent.....**69240** 25
" **Mixed**.....**69260** 5
tricolor elegans. Orange, rose and white.....**69280** 5

†**LYCHNIS.** Free-flowering, hardy perennials, with brilliantly colored flowers; excellent for massing in beds and borders. Pkt.
chalcedonica. Scarlet; 2 ft.....**69330** 5
" **alba.** White.....**69340** 5
Arkwrightii, a cross between chalcedonica and Haageana; many new and lovely colors. If sown early will flower in Autumn; 1 to 2 ft.....**69370** 30

MALVA
moschata alba (musk mallow) (†hP). White, fragrant; 2 ft..**69500** 10
" **rosea** (†hP). Rose-flowered variety; fine.....**69510** 10

‡†**MAURANDYA.** Rapid-growing, half-hardy perennial climbers that can be treated as annuals. Fine for garden or greenhouse; bloom all Summer in hanging baskets and vases or on trellises; 10 ft.

MAURANDYA—Continued Pkt.

Barclayana. Blue....**69880** 10
" **alba.** White....**69890** 10
purpurea grandiflora. Purple...**69910** 10
Mixed....**69920** 10

MIMOSA pudica (Sensitive Plant). A curious and interesting half-hardy annual, with pinkish flowers; leaves close when touched; 1½ ft....**70280** 10

†**MIMULUS** (Monkey Flower). Showy, half-hardy perennial; do best in a moist situation in the garden; easily grown; 1 ft. Pkt.

cardinalis. Scarlet....**70300** 10
cupreus, Mixed....**70310** 10
moschatus (Musk Plant). Yellow; fragrant foliage....**70320** 10
" **compactus.** Yellow dwarf. **70330** 15
tigrinus. grandiflorus (Queen's Prize). Large-flowered variety of above....**70360** 25

PANSY

(VIOLA TRI-COLOR; HEARTSEASE)

Our Strains Have Never Been Excelled

For very early outdoor bedding the seed is sown from August to October, in a cold-frame, or in rich, moist garden beds, from which the plants can be transferred to a cold-frame, setting them 2 to 3 inches apart each way before severe Winter weather begins. In Spring three-fourths of them can be lifted out for bedding and the rest left to bloom in the frame. For Winter blooming in a frame set the plants about twice as far apart, and thin out half of them in the Spring. Cover the blooming plants with sashes, adding a covering of matting or straw in very cold weather. In mild weather remove the mats and tilt the sashes to admit light, heat and fresh air. In outdoor beds, raised a few inches above the ground, with a mulch of dry leaves and some brush to hold them in place, Pansies will often Winter nicely and bloom until Midsummer, when a relay of young, vigorous plants should be ready to replace them. If they come into bloom in the heat of Summer, the flowers may be small at first, as the weather becomes cooler they will increase in size and beauty, and make a glorious show in the garden. Early Fall sowings give the finest flowers in Spring, and a bed of Pansies is one of the most beautiful sights a garden can show. *The higher-priced sorts produce the largest flowers and the most brilliant colors. This should be borne in mind when ordering.*

We do not sell less than ¼ ounce of a kind by weight.

	¼ Oz.	Oz.	Pkt.
Thorburn Superb. The richest and most choicely varied mixture possible. It produces only the finest colors, largest flowers and most beautiful forms....**72030**	$2 25	$8 00	$0 25
Bugnot Superb Blotched. An exceedingly large, three-blotched strain, with upper petals finely lined; great diversity of finest colors....**72040**	2 00	7 00	25
Cassier, Finest Mixed. Flowers of grand size, beautifully spotted.**72050**	2 00	7 00	25
Masterpiece. Curled, wavy petals; splendid colors; distinct....**72060**	1 50	5 00	25
Madam Perret. A splendid giant-flowered strain comprising all shades of red from light rose to dark purple, some of them finely striped.**72080**	1 25	4 00	25
Parisienne, Mixed. Handsome, large-flowering strain....**72120**	1 50	5 00	25
Fine Large English. All colors mixed....**72130**	75	2 50	25
French. Large flowers, fine mixed....**72135**	1 00	3 50	25
Mixed. Ordinary strain....**72140**			10
Azure Blue. Very fine color....**72160**			25
Black Blue. Dark velvety blue..**72170**			25
Black (Faust; King of the Blacks). Almost coal black....**72180**			25
Bronze. Golden bronze....**72190**			25
Cardinal. Brilliant red; very fine.**72200**			25
Coquette de Poissy. Distinct mauve, shading to white on petals....**72210**			25
Dark Blue....**72215**			25
Pale Bright Blue. Splendid; very showy....**72240**			25
Fairy Queen. Light blue, with white border....**72250**			25
Fire King....**72270**			25
Golden Queen. Pure Yellow (Yellow Gem)....**72290**			25
Light Blue. Lovely sky blue....**72300**			25
Lord Beaconsfield. Deep purple violet, shading to light blue....**72310**			25
Meteor. Bright yellow and brown, attractively blotched and margined. **72320**			25
Odier, Five-blotched, Improved. Extra choice strain....**72330**			25
President Carnot. Pure white petals, each with a deep blotch....**72360**			25
Show Queen (Candidissima). Pure satiny white....**72390**			25
White, with black center. Very showy. **72410**			25
Yellow, with Black Center. Splendid. **72420**			25
Yellow, Golden, without eye, pure yellow....**72435**			25

TRIMARDEAU GIANT. This strain has remarkably large flowers, carried well above their leaves, and generally marked with large blotches; plants are extra vigorous and compact.

Pkt.

Giant Adonis. Light blue; white margin; splendid....**72480** 25
" **Azure Blue** (Light Blue). Pure color....**72500** 25

PANSY TRIMARDEAU—Continued

Pkt.

Giant Hortensia, Red. Splendid. 72530 25
" **Indigo Blue.** Very rich color..... 72540 25
" **Lord Beaconsfield.** Lavender and purple..... 72550 25
" **White**..... 72590 25
" **White, with Dark Eye** 72600 25
" **Yellow.** Dark center.. 72610 25
" **Pure Yellow** (Golden Crest) 72620 25
" **Mixed**..... 72660 25

NEW EARLY BLOOMING HARDY PANSIES

This new type of pansy is valuable on account of its hardiness and earliness. If given slight protection they will be found perfectly hardy in this latitude and even further north, beginning to bloom about the end of March. Flowers are very large and have a sweet perfume.

Pkt.

Celestial Queen. Beautiful light blue with yellow eye..... 72670 10
Ice King. Silvery white with dark blue blotches..... 72675 10
March Beauty. Fine dark velvety blue with yellow eye..... 72680 10
Winter Sun. Rich golden yellow with maroon blotches..... 72685 10
Hymalis Mixed..... 72690 10

‡**PASSIFLORA (Passion Flower).** Pkt.
cærulea (hhP). Blue..... 72780 10
incarnata (hhP). Pink..... 72810 10

PENTSTEMON. Beautiful herbaceous perennials; very hardy and free flowering; fine for beds and borders or rock gardens; excellent cut-flowers.

Pkt.

antirrhinoides. Lemon yellow; 1½ ft. 72870 25
centranthifolius. Bright scarlet; 2 ft. 72880 25

†**PHYSALIS Francheti** (Chinese Lantern Plant). A splendid hardy perennial, very ornamental; has large orange fruits which, dried, are beautiful in Winter bouquets; 2 ft..... 74180 10

PHYSOSTEGIA (Obedient Plant). A valuable, Summer-flowering, hardy perennial border plant; delicate, white flowers on long stems; good for cutting; 3 ft.

Pkt.

grandiflora virginica. Rosy pink. 74190 25
" " **alba**..... 74200 25

PINKS

(**Dianthus**). In this large and greatly varied genus are some of our most beautiful and best-loved flowers, unsurpassed for color and fragrance. The hardy biennials bloom finely the first season, remaining green all Winter and blooming the next year also, if lightly protected. Old plants flower

PINKS—Continued

the earliest, but as young ones give the largest, finest flowers, sowings are made every year.

CHINENSIS (China or Indian Pinks). The flowers of all are double and showy.

Pkt.

Double White China Pink..... 74280 5
" **Mixed China Pinks.** All best colors. ¼ oz., 25c; oz., 80c..... 74290 5

HEDDEWIGII (Japan Pinks). Unusually large and brilliant; often oddly edged, striped and ringed.

Pkt.

Single, The Bride (Little Gem). White, with purple center..... 74320 10
" **Crimson Belle.** Flowers large and handsome; dark red; on long, stiff stems..... 74330 10
" **Eastern Queen.** Rose-colored flowers, 2 to 4 in. across; finely striped and stained..... 74340 10
" **Queen of Holland.** Splendid white..... 74350 10
" **Mixed.** ¼ oz., 25c.; oz., 75. 74360 5
" **Mixed, Giant Flowered**.. 74370 10
Double, Mixed. A splendid assortment. ¼ oz., 40c.; oz., $1.25.. 74385 10
" **diadematus fl. pl.** (Diadem Pink). Double; magnificent in color and variety.... 74390 10
" **Fireball.** Brilliant scarlet; very compact and floriferous vines; for massing..... 74400 10
LACINIATUS, Fireball, fl. pl..... 74435 10
" **Oriental Beauty.** Petals ½ wide, crinkled, richly marked with pink, white, etc..... 74440 10
" **Single Mixed.** Fringed flowers of all colors. ¼ oz., 50c.; oz., $1.50. 74500 10
" **Double Mixed.** ¼ oz., 50c..... 74510 10
" **Fringed Double Mixed.** 74515 10

IMPERIALIS FL. PL. (Double Imperial Pink). Robust, bushy grower, with large, double flowers.

Pkt.

Double, Mixed..... 74530 10

PLUMARIUS (Sweet May Pinks). These are fine, fragrant hardy perennials of the old-time gardens, still reckoned among the most beautiful for massing and cutting.

Pkt.

Pheasant's Eye. Pretty fringed flowers. 74600 5
semperflorens (Perpetual Pink). Double, semi-double and single; of various colors. 74630 15

PLATYCODON (Wahlenbergia; Large Chinese Bellflower). Handsome, hardy perennials that do best in light, dry situations; bush

PLATYCODON—Continued

growth, bear large, bell-shaped flowers in great profusion. See cut.

		Pkt.
grandiflorum.	Deep blue; 2 ft....**74800**	10
" **album.**	White; 2 ft. **74810**	10

See also *Campanula*.

†**POLYANTHUS (Primula elatior).** Fine Spring-blooming and free-flowering, hardy perennials; alike suitable to pot or garden culture; 9 in.

	Pkt.
Mixed....**74900**	10
Large Flowered, Finest Mixed. Fine collection....**74910**	25
Gold-laced. Very attractive and showy. **74920**	25

POPPY, Perennial Varieties

		Pkt.
orientale.	Enormous flowers of deep, flashing scarlet, with black spots in center; entirely hardy anywhere; fine for cutting; 3 ft....**74960**	10
orientale. Mixed Hybrids.	Finest shades....**75010**	10
nudicaule (Iceland Poppy).	**aurantiacum coccineum.** Orange red. All of this class have crimped petals and peculiar grace....**75040**	10
"	**Album.** Pure white..**75050**	10
"	**Mixed**....**75060**	10

PRIMULA

CHINENSIS (Chinese Primrose) (gP). Primula, or Chinese Primrose, stands in the first rank among greenhouse plants, and is fine for Winter and Spring blooming. It is free flowering and is especially valuable for cutflowers and for house and window culture. A cool place suits it best. The plants must be well ventilated, well watered, and slightly shaded. Average height, 9 in.

		Pkt.
fimbriata alba.	White; fringed...**75720**	25
" **alba magnifica.**	Pure white; fringed; extra choice..**75730**	35
" **Bright Rose.**	Dainty fringed flowers....**75740**	35
" **coccinea.**	Bright red; fringed. **75750**	35
" **cærulea.**	Blue, fringed.**75760**	35
" **kermesina splendens.**	Crimson; fine shade; fringed..**75770**	35
" **rubra.**	Red; gracefully fringed flowers....**75780**	25
" **Extra Fine Mixed.**	Fringed. **75790**	25
" **filicifolia.**	All these are fringed and have fern-like foliage.	
" **alba.**	White....**75810**	50
Mixed....**75830**		50

PRIMULA—Continued

		Pkt.
fimbriata plena.	Beautifully fringed, double flowers.	
" **rubra.**	Red....**75870**	50
" **alba.**	White....**75880**	50
" **Mixed**....**75890**		50
stellata, Mixed (Star Primulas).	Very floriferous....**75910**	50

OBCONICA (gP). For open border, also do well in the house window-garden. Continuous and free bloomers during the Winter months.

		Pkt.
grandiflora hybrida, Mixed....**76030**		50
" **gigantea kermisina, carmine.**	Red....**76080**	50
" **gigantea rose**....**76110**		50
" **gigantea, Mixed.**	Giant flowering....**76120**	50
malacoides (gP).	Dainty, soft lilac pink; fine for pot culture; 18 in. **76150**	25
" **alba.**	Fine white....**76160**	25

HARDY VARIETIES. The hardy Primroses are among the most prized of our Spring-blooming plants. A slight protection, while not always needed, will be found beneficial; 1 to 1½ feet.

		Pkt.
japonica (Japanese Primrose) (hP).		
hybrida, Mixed (hP).	From a fine collection....**76230**	25
vulgaris (hP) (English Primrose).	Yellow, fragrant; a favorite variety; 6 in. **76250**	10

PYRETHRUM. Showy, hardy perennials growing 2 ft. in height, with most brilliant and lasting flowers. The dwarf Golden Feather is the well-known variety used for carpet bedding, edgings and borders.

		Pkt.
roseum hybridum, Single, Mixed.	**76400**	10
" **hybridum, Double, Mixed.**	**76410**	25
†**parthenifolium aureum** (Golden Feather).	Yellow, fern-like leaves; fine for edgings; 6 to 8 in....**76460**	5

REHMANNIA angulata. Splendid, half hardy, herbaceous perennials, with beautiful, large, rosy purple flowers, similar to those of Incarvillea Delavayi. For pot culture or outdoors in sheltered situations; 3 ft....**76530** 25

RHODENDRON arboreum hybridum. The well-known, hardy evergreen shrub. Mixed varieties; 10 ft....**76640** 25

ROCKET (Sweet Rocket; Hesperis). Spring flowering, hardy herbaceous perennials; fragrant; easily grown in light soil; transplant frequently; very free blooming.

		Pkt.
matronalis.	Purple; 3 ft. ¼ oz., 20c; oz., 50c....**76880**	5
" **alba.**	White; fine cut-flower; 3 ft....**76890**	5
" **Mixed**....**76910**		5

RUDBECKIA (Coneflower). Pkt.

hirta hybrids, new. Hardy, dwarf perennial, with double, semi-double and single flowers of all shades; red, mahogany, chocolate, with purple or yellow centers....77040 25

erect grower; 3 ft....77069 10

SCABIOSA (Mourning Bride).

caucasica (Blue Bonnet). (hP). This hardy perennial should be in every garden. The flowers are large and semi-double, of pale lavender color, growing on long stems; splendid for cutting77590 10

SCHIZANTHUS. Very beautiful and showy, hardy annuals, fine for beds and borders in the Summer garden; grown in pots in early Spring in the greenhouse they become elegant foliage plants, with masses of flowers; ½ to 2 ft.

Pkt.

Wisetonensis. Light shades; long and profuse blooming; fine pot-plant..77810 25

Mixed....77840 5

‡ **SMILAX (Myrsiphyllum asparagoides).** A well-known greenhouse climber, with small, dark-green foliage; of great value in floral work; 8 ft....78050 10

SNAPDRAGON

(**Antirrhinum.**) The Snapdragon is one of our finest perennials, flowering the first year from seed. Its bright-colored, curiously formed flowers always excite interest. The rich spikes are beautiful for cutting, and keep fresh a long time. Flower profusely through Summer until frost. For early flowers, sow under glass in February or March, and transplant into beds of warm, dry soil moderately enriched. The Snapdragon is treated as an annual and the seed sown every year. Average height, 2 ft.

TALL VARIETIES— Pkt.

album. White....78080 5

atrococcineum. Dark scarlet....78090 5

Coral Red....78095 10

Cottage Maid. Handsome pale pink with white throat....78098 10

luteum. Yellow....78130 5

Mixed. ¼ oz., 30c; oz., $1.00....78160 5

TALL, LARGE-FLOWERING VARIETIES

Blood Red. Fine color....78170 10

Delilah. White and carmine....78180 10

Feltham Beauty. Long spikes of enormous deep rose-pink blooms with white center....78185 25

Firefly. Scarlet and white....78190 10

Galathee. Crimson and white....78200 10

Nelrose. Silvery pink, very long stems, fine for greenhouse....78205 30

Orange Beauty. Very large flowering, lovely orange, scarlet with gold tip. 78208 25

SNAPDRAGON—Continued Pkt.

Queen Victoria. Pure white....78210 10

Venus. Delicate pink, with white throat. 78225 15

White. Beautiful for cutting....78230 10

Yellow. A pure, soft color....78240 10

Large-flowered, Mixed. Fine. ¼ oz., 40c.; oz., $1.50....78270 10

SEMI-DWARF VARIETIES. Plants of this section make excellent bedders, as they bloom extra profusely and are only about 15 in. high. Pkt.

Black Prince. Nearly black....78310 10

Crimson King. Bright crimson; a deeper color than Scarlet King....78340 15

Golden Beauty. Large sturdy spikes, rich golden yellow....78345 25

Fine Semi-dwarf Mixed....78400 10

Tom Thumb, Finest Mixed. Very dwarf strain; 6 in....78410 10

STOCKS

(**Matthiola.**) Stocks have good habit, fine leaves, beautiful and fragrant flowers, a long season of bloom and adaptability to many conditions of culture. They are unsurpassed for bedding, edging, pot culture and for cutting.

TEN WEEKS. Half-hardy annuals. Pkt.

Large-flowering Dwarf Pyramidal. Finest Mixture....78840 25

Dwarf Large-flowering. Long, splendid spikes; large, double flowers.

Blood Red. Very rich....78880 10

Rose. Very dainty, light color....78940 10

Snow White....78950 10

Violet....78960 10

Mixed....78980 10

DRESDEN PERPETUAL OR BRANCHING. Pkt

"Cut-and-Come Again" ("Princess Alice"), White. Profuse and perpetual-blooming; double, white flowers, fine for cutting....79000 25

Empress Augusta Victoria. Delicate silvery lilac flowers in magnificent trusses; of true pyramidal growth; height 24 in....79010 25

Mixed....79020 25

WINTER "NICE" VARIETIES LARGE-FLOWERING—

Beauty of Nice. Flesh-color; extra-large flowers....79320 25

Queen Alexandra. Rosy lilac....79350 25

Mixed....79370 25

STOKESIA (Cornflower Aster). This popular hardy perennial bears, all Summer, large, attractive flowers resembling semi-double Asters; fine for cut-flowers; 2 ft.

Pkt.

Cyanea. Lavender-blue; handsome.79610 10

SWEET WILLIAM

(**Dianthus Barbatus.**) The splendid old-fashioned hardy perennial, producing large heads of beautifully colored, sweet-scented flowers in abundance; easily grown, flowering the second year from seed; ½ ft.

		Pkt.
Single Pink Beauty (roseus). Rosy chamois	**79940**	15
" **Scarlet Beauty.** Brilliant scarlet; very fine	**79950**	15
" **Mixed.** ¼ oz., 20c.; 1 oz., 50c.	**79970**	5
Double Mixed	**80010**	10
Giant Double and Single Mixed. ¼ oz., 20c.; 1 oz., 50c	**80020**	10

†**VALERIANA (Valerian).** Very handsome hardy perennials that have been too much neglected; bloom all Summer. Fine for borders, wild gardens and rockwork; of easiest culture; 2 ft.

		Pkt.
alba. White	**80460**	5
rubra. Red	**80470**	5

VERONICA (Speedwell), **Mixed Perennial Species.** Splendid, hardy border plants of the easiest culture; bear bright-colored flowers all Summer; 1 to 2 ft. **80890** 10

VIOLET, Sweet Scented (Viola odorata) (hhP). Much prized for Spring blooming. All the varieties have great beauty, are very fragrant and quite hardy; 6 in. Violet seed takes a long time to germinate.

		Pkt.
Blue	**81000**	10
White	**81020**	10

†**VIOLA cornuta** (Tufted Pansies) (hhP). Splendid free-blooming plants for partially shaded situations; with a little Winter protection will be permanent for years; bloom continually all the season until frost; 6 in.

		Pkt.
cornuta, Purple Queen	**81040**	10
" **Mixed**	**81065**	10
pedunculata (California Yellow Violet).	**81070**	25

WALLFLOWER

(**Cheiranthus Cheiri.**) Well-known, half-hardy perennials of delightful fragrance, bearing in Spring and early Summer long spikes of bright flowers. Fine also for blooming in greenhouse; 2 ft.

SINGLE-FLOWERING VARIETIES.		Pkt.
Dark Blood-Red	**81230**	10
Eastern Queen. Very distinct shade, bright chamois, changing to salmon red	**81240**	10
Feltham Early. Large; brown-red; fine.	**81250**	10
Golden King. Very large, golden yellow flower	**81260**	10
Linnæus. Fine; white	**81265**	10
White Dame. Large, creamy white flowers of dwarf, compact habit	**81290**	10
Fine Mixed. Very showy mixture	**81320**	5

DOUBLE-FLOWERING VARIETIES.

Double Tall Branching, Mixed. 2 ft.	**81370**	25
Double Dwarf Branching, Mixed. 1 ft.	**81390**	25

CHOICE VEGETABLE SEEDS

Beet

	Pkt.	Oz.	¼ lb.
Crimson Globe. Tender and sweet	$0 05	$0 20	$0 60
Detroit, Dark Red Turnip	05	20	60
Dewings, Early	05	20	60
Eclipse, Early Round, bright red	05	20	60
Edmand Blood Turnip	05	20	60
Early Blood Turnip	05	20	60
Egyptian. Extra early; flat	05	20	60
Long Blood	05	20	60
Trevise (Columbia)	05	20	60
Swiss Chard	05	25	75

Cabbage

Early Winningstadt	10	60	2 00
Early Jersey Wakefield	10	60	2 00
Large Flat Dutch, Thorburn's Private Stock	10	60	2 00
Schweinfurt Drumhead Late	10	60	2 00
Fottlers Brunswick	10	60	2 00
Late Drumhead Savoy	10	60	2 00

Cauliflower

Thorburn's Gilt Edge	50	7 00	
Thorburn's Extra-Early Snowball	50	7 00	
Large Early Snowball	50	7 00	
Danish Giant, or Dry Weather	50	7 00	
Italian Giant	10	60	2 00
Lenormand short stem	10	75	2 25
Early London	10	75	2 25

Egg Plant

	Pkt.	Oz.
Round Purple	$0 15	$0 75
New York Purple	15	75
Long Purple	15	60
Florida High Bush	15	60

Endive

	Pkt.	Oz.	¼ lb.
Large Green Curled (De Ruffec)	$0 05	$0 20	$0 50
White Curled	05	20	50
Giant Fringed or Oyster	05	20	50
Escarole	05	20	50

Kohlrabi

Early White Vienna	10	35	1 00

Lettuce

Big Boston	05	20	60
Denver Market	05	20	60

Lettuce

	Pkt.	Oz.	¼ lb.
Giant Crystal Head	$0 05	$0 20	$0 60
Orchid Salad	05	15	50
White Summer Cabbage	05	20	60
Iceberg	05	20	60
Wayahead	05	20	60
Romaine, or Cos	05	20	65
Red Cos	05	20	60

Onion

White Barletta	$0 10	$0 60	$2 00
White Bermuda (Yellow). (Teneriffe grown)	10	60	2 00
White Bermuda (True Crystal Wax). (Teneriffe-grown)	15	70	2 25
Red Bermuda	10	60	2 00
White Portugal	10	60	2 00
Red Wethersfield	10	50	1 50

Parsley

Extra Curled	05	15	50
Plain	05	10	35

Radish

Turnip, Early Scarlet	05	15	40
Turnip, Early Scarlet White Tipped	05	15	40
Winter Scarlet Chinese	05	20	50
Half Long Gray Spanish	05	20	50
Round Black Spanish	05	20	65
White Strasburg	05	15	50

Spinach

Round Viroflay	05	10	30
Bloomdale Savoy	05	10	30
Prickly or Winter	05	10	35
New Zealand	05	20	50

Turnip

Red Top White Globe	05	20	50
Red Top Strap Leaf	05	15	40
Golden Ball	05	20	50
Kashmyr Scarlet	05	20	50
White Rutabaga	05	20	50
Champion Purple - top Rutabaga	05	20	50

Mushroom Spawn

Cultural Directions in our General Catalogue. Anyone requiring fuller details should get Wm. Falconer's book on Mushroom Culture, sent postpaid for $1.00.

English Spawn. In bricks, weighing about 1½ pounds. Per brick, 25 cts.; 10 bricks, $2.25; 100 bricks, $18.00.

American Pure Culture Spawn. Direct bricks, latest strain, weighing about 1 pound. Per brick, 30 cts.; 10 bricks, $2.75; 100 bricks, $25.00.

French Spawn. per 2 pound box, $1.25.

INSECTICIDES AND REMEDIES FOR PLANT DISEASES

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Liquids, Poisons, and a few strong smelling articles cannot be sent by Parcel Post. Add postage at zone rates.

APHINE. Has no equal for the destruction of green, black or white fly, thrips, red spider, mealy bug, etc. Use one part to forty of water. Does not injure the most tender plants.

¼ Pt.....$0 25	Pt.....$0 65
½ Pt..... 40	Qt..... 1 00

ARSENATE OF LEAD. Paste. Does not injure tender foliage.

Lb.....$0 30	5 Lbs.....$1 30

BORDEAUX MIXTURE. For all fungous diseases.

Dry—

1 Lb.....$0 45	5 Lbs.....$1 75

Liquid—

Qt..... 50	Gal..... 1 50

COPPER SOLUTION, Ammoniated.

Qt.....$1 25	Gal.....$3 25

Eureka Fumigator.

No. 2.....$2 75	No. 3.....$3 25

FIR-TREE OIL. For greenhouse and house plants. Destroys insects without injuring plant.

½ Pt.....$0 75	Qt.....$2 25
Pt..... 1 25	½ Gal..... 4 00
Gal..... 7 00	

FIR-TREE OIL SOAP.

½ Lb.....$0 30	2 Lb.....$0 85

FISH-OIL SOAP. For washing trees and destroying all insects on the bark.

1 Lb. box.....$0 25	10 Lbs.....$2 20
5 Lbs..... 1 20	100 Lbs.....20 00

FUMIGATORS.

Each.....$0 60

FUNGINE.

Pt.....$0 65	Qt.....$1 00

GRAPE DUST, Hammond's. For the prevention of mildew on roses, grapes, gooseberries, etc. Apply with bellows.

5 Lb. pkg....$0 90	10 Lb. pkg....$1 40

KEROSENE EMULSION. For cabbage worms, scale on trees, caterpillars, melon lice, rose bugs, etc. Dilute twenty-five to fifty parts.

Qt.....$0 55	1 Gal.....$1 50

NICO-FUME TOBACCO PAPER. For fumigating. Does not injure blooms. In tins.

24 sheets.....$0 85	144 sheets.....$4 00
288 sheets..... 7 50	

NICO-FUME LIQUID. For fumigating or spraying. Effective against green fly, mealy bug, etc. For spraying, one to two teaspoonfuls to a gallon of water.

¼ Lb.....$0 50	4 Lbs.....$5 50
Lb..... 1 50	8 Lbs.....10 50

SCALECIDE. Petroleum oil that mixes at once with cold water and stays mixed. No hot water necessary.

Qt.....$0 65	Gal.....$1 50
5 Gals..... 5 30	

SULPHUR, POWDERED. Protects against mildew on grapes, roses, etc.

Lb.....$0 15	10 Lbs.....$1 00

SULPHO-TOBACCO SOAP.

3 Oz. box.....$0 10	8 Oz. box.....$0 20

TOBACCO DUST.

Ordinary Kind. For dusting.

Lb.....$0 10	10 Lbs.....$0 60
5 Lbs..... 35	100 Lbs..... 3 50

Stoothoff's "Black Stuff." For dusting.

50 Lbs.....$3 00	100 Lbs.....$5 00

Stoothoff's "Fumigating Kind." For burning.

50 Lbs.....$3 00	100 Lbs.....$5 00

TOBACCO STEMS. For fumigating plants. In bales only of about 100 pounds.

Per 100 Lbs.....$2 75

X-L-ALL LIQUID INSECTICIDE.

Pt.....$1 25	Qt.....$2 00
½ Gal.....	3 50

THORBURN'S HIGH GRADE FERTILIZERS

All f. o. b., N. Y.

Thorburn's Complete Manure

Per ton.....$50 00	50 Lbs.....$2 00
Single bag of 100 Lbs..... 3 50	25 Lbs..... 1 25
Bag of 200 Lbs. 6 50	10 Lbs..... 60

Thorburn's Lawn Fertilizer

Per ton.....$70 00	50 Lbs.....$2 25
Bag of 100 Lbs. 4 00	25 Lbs..... 1 30
Bag of 200 Lbs. 7 75	10 Lbs..... 80

Pure Ground Bone Meal, No. 1

5 Lbs.....$0 50	50 Lbs.....$2 25
10 Lbs..... 80	100 Lbs..... 4 00
25 Lbs..... 1 30	Per ton.....70 00

Ground Bone No. 2

100 Lbs.....$ 5 00	½ Ton.....$38 50
¼ ton..... 20 00	Ton..... 75 00

THOMPSON'S VINE MANURE. Unrivaled for vines, tomatoes, cucumbers, fruit trees, and all foliage, flowering and fruit-bearing plants and outdoor plants of every description. Splendid for lawns, etc.

Per cwt. (112 Lbs.).....$8 00	
½ cwt (56 Lbs.).....	4 50

BOWKER'S AMMONIATED FOOD FOR FLOWERS. The best dressing for potted plants.

Small pkg....$0 25	Large pkg.....$0 35

HARD-WOOD ASHES. Highest grade, extra screened, unleached.

Per 100 Lbs...$2 00	Per ton.....$35 00

Pulverized Sheep Manure

1 Lb. pkg.....$0 15	50 Lbs.....$ 2 00
5 Lb. pkg... 50	100 Lbs..... 3 00
25 Lbs..... 1 25	Ton..... 50 00

Agricultural Salt

For Asparagus Beds, etc., in bags of about 200 pounds—not less than one bag sold. $3.00.

Pulverized Limestone

Made from the Purest Crystalline White Limestone obtainable, and analyzes about 97 per cent Carbonate.

Per 100 Lbs...$2 00	Per ½ Ton..$11 00
Per ton.....	20 00

HORTICULTURAL IMPLEMENTS, ETC.

Prices Subject to Change.

Flower or Tree Tubs

New York Style Tree Tubs. Made of clear timber. Painted green.

Flower Vases. Indurated wood-fibre; for cut-flowers.

Atomizer "Woodason Liquid."
Large, each...$2 75 | Small, each...$2 25

Bamboo Canes, Japanese. 6 feet long. Not less than 100 sold. per 100.....$1 75

Carnation Supports. Galvanized.

Hyacinth Glasses, Tall or Tye's Shape. Blue Green and Purple. Either style, 25c each; per doz.....$2 50

LABELS—Wooden Pot and Garden.

Wooden Notched Tree

3½-inch copper wire.

Mastica. For glazing greenhouses, sashes, etc.

Mastica Glazing Machines.

Raffia, for tying, price variable. At present, 50c per lb.

Rakes. All kinds. See General Catalogue.

Glass Cutters.

SHEARS.

Wiss' Solid Steel Pruning. The best American shear. Detachable blade.
9 inch.....$3 00
10 inch..... 3 25

Syringes—all Brass. $2.75 to $8.50 each.

Sprinklers for Lawns.	**Each**
Ring Sprinkler	$0 85
Water Witch No. 3	55
Water Witch, No. 4	1 20

Sprinklers.

Hotchkiss Lawn No. 55. Made of brass; nickel-plated; malleable iron runners; 3 arms. Covers an area 30 feet in diameter. $1.50 each.

Hotchkiss Lawn Sprinkler No. 65. Combination sprinkler and fountain. Brass and nickel-plated malleable iron runners. Covers an area of 40 feet in diameter. $2.25 each.

Shower Sprinkler. Mounted on holder for sprinkling lawns—or can be attached to hose for washing sidewalks, etc. Cannot clog or get out of order; will not rust. $2.50 each.

Thermometers. Hotbed and mushroom bed. Brass tips; made for plunging. Best grade, $2.25; ordinary wood, $1.50; all metal, cannot break or rust, $2.25.

Trowels, solid steel.	**Each**
5 inch	$0 55
6 inch	60
7 inch	65

Watering Pots, French Model, 6 to 12 qts, $3.75 to $5.00. The "Philadelphia," 6 to 12 qts., $3.25 to $4.75. Prices fluctuate.

Rubber Hose

(Three-quarter inch)

Our hose is carefully selected, made of first-class material, and coupled at both ends, in 25- or 50-foot lengths.

Electric. 23c per foot.

Thorburn Standard.
X. 6-ply. Per ft.....$0 21
XXX. 7-ply. Per ft..... 24

Bucket Spray Pump

Made of brass; easily operated; throws a solid stream 50 feet. Provided with combination nozzle and sprinkler for flowers, $4.75. 8-foot extension for spraying large trees, 80c extra. Also valuable for washing windows.

"Compressed Air-Spray" Pumps

Self-operating, durable, easy to carry and to work. Made of galvanized iron or brass, with 4-ply rubber hose. For spraying trees, shrubs, cleaning windows, etc. Brass tank, $10.00; galvanized tank, $8.00. Brass extension pipe, 2-ft., 70c.

The Thorburn Century Ball-Bearing Lawn Mower

Thorburn's Century Ball-Bearing Lawn Mower.

While cheaper mowers are sold all over, they will be found far dearer in the end. It pays to get a good mower.

Net Prices

	Each
14-in. cut	$12 00
16-in. cut	13 00
18-in. cut	14 00
20-in. cut	15 00

Lawn Trimmer

8-inch.....$8 00

All Prices Subject to Change without notice. Prices given on application for any articles not quoted.

LAWN GRASS SEED MIXTURES FOR AUTUMN SOWING

Autumn sowing is recommended from the latter part of August to the middle of September, so that the young grass may become well rooted before winter sets in. The sowing should be done when the ground is moist or before expected rain; after sowing the ground should be rolled.

Prices of all Lawn Grasses include free delivery in the United States, by Freight, Express, or Mail at our option.

The Thorburn Lawn Grass

Many of the finest lawns in America were produced from this mixture. It is composed of permanent grasses that make a finer and thicker turf the older they become, and yet give a rich greensward in three or four weeks from the time of sowing. (The ordinary Central Park Lawn Grass Seed as usually sold is not to be compared with this superior mixture.) It should be sown at the rate of 80 to 100 pounds to the acre. One pound of our Lawn Grass will sow a plot of 400 or 500 square feet.

½ Lb.....$0 30	10 Lbs.....$3 50
1 Lb..... 55	25 Lbs..... 8 00
2½Lbs..... 1 00	100 Lbs.....30 00
5 Lbs..... 2 00	

Thorburn's Grass Mixture for Shady Spots on Lawns

A mixture of grasses that thrive in shaded situations under trees, or close to walks where there is little sun.

1 Lb	$0 60	10 Lbs	$4 00
2 Lbs	1 10	25 Lbs	9 00
5 Lbs	2 25	100 Lbs	33 00

Thorburn's Grass Mixture for Terraces

A mixture of fine stoloniferous grasses peculiarly adapted to terraces.

1 Lb	$0 60	10 Lbs	$4 00
2 Lbs	1 10	25 Lbs	9 00
5 Lbs	2 25	100 Lbs	33 00

Thorburn's Lawn-Restoring Grass Seed

A mixture of grasses that will take firm hold and grow quickly on hard, worn-out or burned spots. Some **Lawn-restoring Grass Seed** should be sown before every summer rain on thin places.

1 Lb	$0 65	10 Lbs	$4 50
2 Lbs	1 25	25 Lbs	10 00
5 Lbs	2 50	100 Lbs	37 00

Thorburn's Lawn Grass for the South

A mixture of grasses that stand extremes of heat and drought, and that are, therefore, peculiarly adapted to southern lawns.

1 Lb	$0 65	10 Lbs	$4 50
2 Lbs	1 25	25 Lbs	10 00
5 Lbs	2 50	100 Lbs	37 00

Also Permanent Grass Seed for Golf Links, Tennis Courts, Polo Grounds, Etc.

We have devoted much attention to the seeding and preservation of golf links, tennis-courts and polo-grounds, and offer the following mixtures, which have been used on most of the finest links, etc., in this country with very satisfactory results.

Bags (at cost) and Transportation Extra

Tennis-Court Mixture

A mixture of extra-fine grasses peculiarly adapted to tennis-courts. This mixture will make a firm, green and lasting turf of the finest texture, that will improve with trampling.

1 Lb	$0 60	10 Lbs	$4 00
2 Lbs	1 10	25 Lbs	9 00
5 Lbs	2 25	100 Lbs	33 00

Grass Mixture for Railroad Banks, Etc.

A mixture of grasses with long, interlacing, matting roots that will bind steep embankments, gravelly or sandy slopes, etc., preventing washouts by rainstorms and covering them with permanently green turf.

1 Lb	$0 55	10 Lbs	$3 50
2 Lbs	1 00	25 Lbs	8 00
5 Lbs	2 00	100 Lbs	30 00

Fair-Green or Golf Links Mixture

For the grounds in general.

25 Lbs	$9 00	100 Lbs	$35 00

Putting-Green Mixture

A mixture of extra-fine highest grade grasses that will make a close, firm, green and lasting turf, which will improve with trampling.

5 Lbs	$2 50	25 Lbs	$11 00
10 Lbs	4 50	100 Lbs	40 00

Polo-Grounds Mixture

A mixture of fine-leaved and deep-rooting grasses, forming a strong and lasting turf that will stand hard usage.

25 Lbs	$9 00	100 Lbs	$35 00

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Please notice that our prices are quoted at the lowest New York figures, and do not include the payment of express charges or postage except for seeds, in packets, ounces or ¼ lbs. on which we pay postage and expressage.

If large quantities are ordered to be sent by mail, add postage at zone rates.

J. M. THORBURN & CO.

53 BARCLAY STREET, through to 54 PARK PLACE, NEW YORK

Name.....

Please forward by.....
(State here if wanted by Express, Freight or Mail.)

Post Office.....

Express Office (if different from P. O.).....

Amount Enclosed, $.....

State.....

Date.....19.....

Messrs. J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

J. M. THORBURN & CO.

QUANTITY	ARTICLES WANTED	PRICE	

QUANTITY	ARTICLES WANTED	PRICE	

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